TECHNION
Israel Institute
of Technology

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2025

# PRESIDENT'S REPORT

leave a mark.
A Century of Impact


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MIDOT

# Putting a Stamp on 100 YEARS of Impact and Excellence

**In acknowledgement of the historic landmark anniversary, the President of the Technion, Prof. Uri Sivan, presented the President of Israel, Isaac Herzog, with a special commemorative stamp—launched by Israel Post's Philatelic Service**

President Isaac Herzog (right) and Prof. Uri Sivan

> The Technion has been a cornerstone of Israel's progress, from its early days through to the present
>
> Technion President Prof. Sivan

> President Herzog
>
> The Technion is a symbol of Israeli excellence—one hundred years of innovation, groundbreaking research, and the continuous pursuit of world-class achievements

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leave a mark.
A Century of Impact

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# FROM THE PRESIDENT

**PROF.**
**URI SIVAN**

# DEAR FRIENDS

Five and a half years into my tenure as President of the Technion, it is a privilege to once again share with you the highlights of the previous year, and, as always, there is plenty to report. However, this past year was unlike the others: the prolonged war sparked by the horrific events of October 7, 2023 cast a shadow on nearly every aspect of life on campus, affecting our entire community on a daily basis. Despite the extremely challenging circumstances, I am proud that we succeeded in carrying on educating the next generation of Israel's leaders and advancing cutting edge research in all our Faculties and Institutes.

The past year has also been unique because it marks exactly 100 years since the Technion first opened its doors back in 1924. In honor of this important milestone, this special Centennial Edition of the President's Report extends beyond the usual one-year time frame and surveys the Technion of 2025 through the prism of its truly remarkable history.

Looking back on the university's humble beginnings a quarter of a century before Israel was declared a state, it is obvious to me that the original idea of establishing an Engineering School to help physically build the as-yet-unborn country was a mix of naive dreaming and pure stubbornness. In fact, this is the very spirit that made possible the Technion's remarkable evolution ever since, quite like that of Israel itself. Indeed, the university's development has been in lockstep with the young country's equally amazing story, and the two have always been closely intertwined and mutually dependent.

For 100 years, the Technion has confronted innumerable challenges and has always grown from each experience. This last year, our 100th, was a case in point: it is thanks to our 'stubbornness DNA' that we kept our doors open throughout this most recent war and that we emerged stronger than ever. Our enemies sought to disrupt our lives, which prompted us to do everything possible to keep going, even under fire.

Ever since October 7, 2023, the Technion has been fully committed to the national effort in every possible way. Above all, we have embraced the large contingent of Technion students, faculty members and other employees who have been directly affected by the events. Approximately 3,500 students served in the IDF reserves for extended periods of time. Others were evacuated from their homes. Tragically, numerous Technion students, staff, alumni and family members were killed or injured on or since October 7. Twelve were taken hostage to Gaza; some were later released, some were murdered in captivity and some are still there.

Throughout the long war, the Technion has done everything possible to assist students and staff in every way that we could, including through substantial financial, psychological and academic support.

We remained in close contact with all our students serving in the reserves to ensure that they receive all the help necessary to continue studying, such as remote and flexible learning options, exemption from certain exams, generous financial aid through the Technion Emergency Fund, access to mental support services, personal tutoring and more. I am very proud of the fact that the dropout rate among our reservists wasn't higher than in other years, and we are determined to continue proactively helping them until they graduate.

In addition to caring for our own people, the Technion has always been deeply committed to the community at large and, as such, throughout the war we have been actively involved in outreach initiatives – many of them initiated and organized together with the Technion Student Association. We sent equipment, medical supplies and food parcels to a variety of IDF units, donated essential supplies to evacuees, and provided free temporary housing in our dormitories to families displaced from their homes in confrontation zones, among other projects.

## "THE WAR DIDN'T STOP US"

# NEW ACADEMIC YEAR WHILE UNDER FIRE

Everybody has been deeply affected by the war in one way or another. Last September, Haifa joined the dubious list of Hezbollah's primary rocket targets, requiring us to rush to shelters at a moment's notice, sometimes several times a day. These attacks not only disrupted lives and aggravated already high levels of stress; they also obliged the Technion's management to make a difficult decision: whether to open the upcoming academic year on campus or not.

Once again, the Technion's 'stubbornness DNA' kicked in, and we decided to start classes as planned, with only a one-week delay. This decision also took into account our deep commitment to our students, including those scheduled to take exams in the fall, as well as our overarching allegiance to the State of Israel. Indeed, the Technion educates Israel's economic and industrial leadership, and we believe that we must not interrupt this crucial link in the nation's human resource supply chain.

The first few weeks of the 2024-25 academic year could be described as surreal. We were under constant rocket fire, and shrapnel from interceptor missiles even fell on the Technion campus. In accordance with the Home Front Command guidelines, we placed mobile shelters throughout campus, covered certain windows with steel plates, and conducted some classes remotely.

Nonetheless, our incoming class of new students was the largest ever – proving that the security situation did not dissuade young people from fulfilling their dreams of pursuing a top-notch education. As soon as the ceasefire between Israel and Hezbollah went into effect at the end of November, life on campus immediately returned to normal and all the classrooms and laboratories were once again full of students and researchers.

# 100 YEARS OF VALUES

This past year has crystallized the values that have guided the Technion since it was founded 100 years ago. Above all, the Technion has always been a pluralistic, inclusive and liberal institution which offers equal opportunities to all members of society. Perhaps this is the reason that the university has historically enjoyed exceptional loyalty from its students, faculty, and staff, as well as from generations of alumni and their families. It is rare to see such a strong bond between a community and an institution.

In the last five years, I have witnessed this symbiotic relationship many times, and all the more so since October 7. I believe that the Technion's current resilience is the result of 100 years of playing a pivotal role in Israel's development and economic robustness. We have always been fully committed to supporting Israel by educating and training the country's leaders and encouraging trailblazing scientific discovery, but also by contributing to the nation's success in every way we can. In times of crisis such as this past year, these values have been our guiding star, and we have acted according to the institution's longstanding moral compass.

In the past year of war, during which our country has been coping with existential challenges, the Technion has felt the full weight of national responsibility on its shoulders, as it has since World War Two. Quarter of a century before the State of Israel was founded, the Technion began training the engineers and other leaders who built the nascent country's infrastructure and economy from scratch, including its outstanding defense industry.

Over the years, technological breakthroughs by Technion researchers and alumni have been instrumental in developing Israel's remarkable high-tech industry – thereby ensuring Israel's physical and economic security while also support humanity on a global scale. Throughout Israel's tumultuous history, the Technion continued to lead the way in the country's development, focusing on Israel's most urgent needs.

In recent decades, the Technion has become a hub for developing pioneering technologies in such varied fields as artificial intelligence, biomedicine, aerospace engineering, nanotechnology, sustainable energy, quantum science and more. Technion graduates account for more than 70% of the founders and top managers of Israeli high-tech companies and can be found in leadership positions in other industries, as well as in academia and the public sector. Remarkably, the Technion educates nearly 30% of all undergraduate university-trained engineering students, 42% of engineering master's students, and an amazing 49% of all engineering doctoral students in Israel.

# CONTINUED GROWTH AND DEVELOPMENT

At the beginning of my tenure as President, when Covid19 hit us, we made an important decision that, regardless of objective challenges and obstacles, we would continue to prioritize the university's development according to a long-term strategic plan. In today's rapidly changing world, in order to retain our reputation as a top-notch institution of science and technology, we must constantly look towards the future by upgrading our physical campus as well as the scientific and academic activities that take place within its walls.

We refused to be sidelined from this strategy during the Covid-19 pandemic, nor did we stop developing the Technion during the severe crisis triggered by the atrocities of October 7. In fact, this past year saw major progress on many large-scale projects – all of which were made possible thanks to the generous support of our friends around the world who didn't hesitate to stand with us during these difficult times and for whom we are immensely grateful.

We recently inaugurated the **Sagol Center for Composite Materials** in the Faculty of Materials Science and Engineering. We are advancing toward the opening of the cutting-edge **Andrea and Lawrence Wolfe Center for Translational Medicine** together with the Rambam Health Care Campus. Moreover, we recently completed the excavations on the new **Shillman Family Computer Science Building** in the **Henry and Marilyn Taub Faculty of Computer Science** and will soon inaugurate the new **Carasso FoodTech Innovation Center** which houses the **Linda and Don Brodie Floor** in the Faculty of Biotechnology and Food Engineering. Thanks to our generous donors, we are establishing the state-of-the-art **Bruce and Ruth Rappaport Cancer Research Center,** which will be housed in the new **D. Dan and Betty Kahn Human Health Building**—already in the advanced stages of planning.

In addition, in the past year we successfully raised funds for a number of large-scale development projects. These include the **Stephen B. Klein Faculty of Aerospace Engineering's** new **Nancy and Stephen Grand Aerospace Building,** and the multidisciplinary **Stewart and Lynda Resnick Center for Sustainable Catalysis.** We have also made important progress raising funds to establish and develop research centers in many different fields, including the new **Esther and Herbert Hecht Sustainable Protein Research Center, the Rechler Family Foundation Research Building** which will be the home to the Center for High Speed Flight, and the planned **Technion Healthy Aging Institute.**

The Technion's strategic plan continues to stress the institution's sense of commitment to the community at large, both in Israel and around the world. We are investing in advancing broad, multidisciplinary fields that will contribute to making our world a better place for future generations. In particular, the Technion has been focusing on two important pillars, **Human Health** and **Sustainability,** and will develop technologies that will help people live healthier, longer lives and preserve our planet's dwindling resources.

The Technion is also continuing to prioritize fields for which we have a historic responsibility on a national level. We have the only Faculty of Aerospace Engineering in Israel, and the Faculty has always been at the forefront of Israel's worldclass aerospace and defense industry. In fact, we are the only university in the world whose campus is literally protected by technologies developed by our own alumni, such as the Iron Dome missile defense system. This most recent war reinforced the Faculty's critical importance for Israel's security, and we have therefore decided to strengthen and expand its scope of activities.

## LOOKING FORWARD TO THE NEXT 100 YEARS

Looking back on the Technion's first 100 years, it is truly a miracle that the dream that began as 17 students in one building has grown into a science and technology powerhouse with 15,000 students in 18 departments, three Nobel Prize laureates, and numerous distinguished alumni, including an alumnus who won another Nobel Prize and an alumnus who won both the Abel and the Turing prizes. The Technion has developed into an international university with campuses in China and New York City, and a very long list of scientific and academic achievements.

I'm very curious to see how the Technion will develop in the next 100 years. I have no doubt that our students, researchers and alumni will continue to be a great source of pride for the university, for Israel and beyond.

# SCALING THE HEIGHTS OF SCIENCE

TECHNON'S NOBEL PRIZE LAUREATES

"The heights of science are not, like earthly mountaintops, barren and icy, but clothed with verdure and bathed in the light of heaven, where one breathes untainted air and enjoys most glorious prospects"

Charles Augustus Young, famed American astronomer


ALFR·
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The bedrock of human progress, science promotes health and prosperity and gives hope of a better future for all. For those who study and embrace it, cutting-edge science ignites the imagination and uplifts the mind; nothing compares to the sheer thrill of making a discovery, contemplating it, and sharing it through the prism of theory. Inspired by these challenges and possibilities, Technion's best and brightest reach for the outer edges of research and innovation year in, year out, with remarkable impact on the world.

The Nobel Prize is the ultimate acknowledgement of excellence in that pursuit. Inasmuch as Alfred Nobel willed the prize for those who have "conferred the greatest benefit to humankind," Nobel Prize laureates embody what it takes to scale the heights of science. As their accomplishments resonate among generations of students and faculty, Technion's three Noble Prize Laureates – Distinguished Professors Avraham Hershko, Aaron Ciechanover and Dan Shechtman – are legend throughout the broader Technion community. Much like the proverbial "rising tide that lifts all boats," their feats have further raised the already elevated bar of achievement to which all here aspire.

## The Right Stuff

Even as Dan Shechtman self-deprecatingly suggests that "luck plays a role," it is undeniable that Nobel Prize laureates are made of "the right stuff." They are men and women of extraordinary curiosity, vision and ingenuity, dogged determination, and superior technical skills.

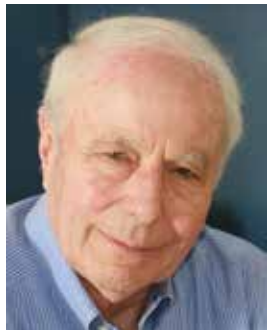
"Science means constantly walking a tightrope between blind faith and curiosity; between expertise and creativity; between bias and openness; between experience and epiphany; between ambition and passion; and between arrogance and conviction – in short, between an old today and a new tomorrow."

*Henrich Rohrer, 1986 Nobel Prize Laureate in Physics*

Having earned their place in the pantheon of contemporary science, such are Technion's three Nobel Prize laureates.

# DISTINGUISHED PROF. Avram HERSHKO

Rappaport Faculty of Medicine



A classic case of the apple not falling far from the tree, Avram Hershko inherited the zeal for learning from his parents, for whom education was the highest priority. Immigrants of modest means living in post-War-of-Independence Jerusalem, they spared no expense in providing Avram and his brother with private schooling. From there, medicine was a natural choice of vocation.

However, basic science courses at Hadassah Medical School and a year-long stint of research between preclinical and clinical studies were revelatory of a far deeper fascination with biochemistry. By 1969, Hershko left Hebrew University with both an M.D. and a PhD to pursue a career in research as founding Head of the Department of Biochemistry in the Technion's new Faculty of Medicine.

He and Aaron Ciechanover received the 2004 Nobel Prize in Chemistry for their discovery of ubiquitin mediated protein degradation (see textbox). To this endeavor, as to his over fifty years of research since, Hershko brought to bear the personal qualities that separate Nobel Prize grade scientists from their colleagues: on the one hand, a rigorous experimentalist and untiringly perseverant; on the other, gifted with insatiable curiosity, uncanny perceptiveness, and the intellectual agility to break stride midcourse and onboard new ideas. As he points out:

**"For sure, scientific achievement ultimately depends on personal traits such as stubbornness and inquisitiveness. Undeniably, most of the greatest discoveries in basic research were driven by curiosity. But you must also know how to identify the important facts and details and be able to ask the right questions."**

His student and later co-laureate Aaron Ciechanover reiterates: **"At a time that others didn't see the need for it at all, great credit goes to Avram Hershko who understood the need for such a proteolytic system. He insisted that something was missing and set out searching for it."**

Perhaps no less critical to his success is his love of, and commitment to, in-person lab work.

**"Benchwork is my great hobby. I have always loved to do experiments with my own hands, both for peace of mind and excitement. My own experiments were important for almost every significant progress made in my laboratory."**

### Ubiquitin-Mediated Protein Degradation

The breaking-down of cellular proteins that are either damaged or completed their function (i.e., intracellular protein degradation or intracellular proteolysis) was already shown to consume metabolic energy. Nobody knew why (as normally organisms derive energy from digesting proteins) nor was there much interest in unraveling the mechanism involved; within science, all eyes were still transfixed on the details of protein synthesis, rather than on those of protein death. Nonetheless, intuiting its importance, Avram Hershko, Aaron Ciechanover, and Irwin Rose (Fox Chase Cancer Center, Philadelphia, PA) spearheaded a multiyear research effort to deconstruct the mechanism of energy-dependent protein degradation. They rightfully assumed (and it was, later, proven) that the same protein degradation mechanism operated across organs and tissues throughout the body; thereby, it was likely key to understanding developmental and regulatory biochemical processes as well as the defects that cause various diseases (incl. cancers and neurodegenerative disorders). If so, it could serve as a springboard for developing effective medical interventions.

Using a cell-free extract of young red blood cells (reticulocytes) as a model system, in the late 1970s and early 1980s, they conducted a series of studies isolating and characterizing the energy-consuming sequence of biochemical reactions by which cellular proteins are labeled with high specificity and, then, degraded.

Specifically, the small protein ubiquitin was shown to tag proteins for decomposition inside the cell's "proteasome" (i.e., a barrel-shaped intracellular waste disposer) – via the unique transfer activities mediated by three separate enzymes (E1, E2, E3). The E3 enzyme ends up catalyzing iterative transfers of ubiquitin molecules, selectively tagging each target protein with a chain of ubiquitins; the resulting "polyubiquitinated" protein is recognized by the proteasome, the ubiquitin molecules are stripped away (for later reuse), and the protein is swallowed up and degraded).

# DISTINGUISHED PROF. Aaron CIECHANOVER

Rappaport Faculty of Medicine

As a youngster, Aaron Ciechanover was passionately curious about the world and drawn by the lure of exploration. A voracious reader of books, he was enchanted by writings like Jules Verne's *Around the World in Eighty Days* and Thor Heyerdahl's *Kon-Tiki Expedition: By Raft Across the South Seas.* His flirtation with science took hold early on.

By the mid-1970s, he earned an MSc in biology and completed his medical degree from the Hebrew University and, thereafter, began his PhD studies under Avram Hershko at the Technion. His transition from medicine to biochemistry was sparked by his love of biology and a stark realization: medicine is largely blind to the underlying pathogeneses of many severe diseases; cures will be elusive as long as the intracellular biochemical mechanisms that regulate health and set off disease remain unknown.

**"I felt restless and started to realize how little we know, how descriptive our understanding of disease mechanisms and pathology is and, as a consequence, how most treatments are symptomatic in nature rather than causative."**

His Nobel Prize winning work places the quintessence of basic-science research on full display: an insight-driven, patient and methodic step-by-step process:

**"I learned not to be opportunistic but, rather, adhere to a project, to dig deeply into a problem, to resolve it mechanistically, to unravel complex mazes – peeling them like an onion. I learned to pay attention to small details, carefully examine hints, be stubborn and fight difficulties uphill; but, most importantly, to be critical."**

The successful scientist carves his own research niche out of a, preferably, unobvious non-mainstream issue, while making sure there are appropriate research tools with which to confront it. A healthy skepticism, a flexible mindset and a willingness to act out-of-the-box are critical to his craft:

**"I also learned to question, doubt, ask and discuss, to follow my own gut feeling where necessary, not to always take advice and direction for granted, and to trust myself. Thus, at times I found myself swimming alone against the stream."**

Strikingly common to all three of these laureates is their genuine admiration for those who taught or mentored them along the way, those from whom they attribute learning much of the insights, skills and professional temperament that they applied in their Nobel Prize research.

## DISTINGUISHED PROF.

# Dan SHECHTMAN

Faculty of Materials Science and Engineering

Dan Shechtman's road to the 2011 Nobel Prize in Chemistry is a testament to the singularly flexible mindset and personal mettle required to dispute accepted truths and long-held theories in science and engineering.

A Technion alumnus and faculty member with a PhD in materials engineering, Dan Shechtman was on sabbatical at John Hopkins University when he discovered quasi-periodic crystals in the early 1980s (see textbox). As a child, his interest in engineering was seeded by his fascination with Cyrus Smith, the main protagonist in Jules Verne's *The Mysterious Island:*

**"I thought that was the best thing a person could do. The engineer in the book knows mechanics and physics, and he creates a whole way of life on the island out of nothing. I wanted to be like him."**

At the time, Shechtman's discovery of solids with quasicrystalline atomic structure appeared to defy an established pillar of crystallography and was hugely controversial. Believing that the order of atoms in crystals could only be periodic several leading scientists staunchly resisted and, even, ridiculed Shechtman's findings as improbable, if not impossible. Indeed, an icon of twentieth century science, two-time Nobel Prize Laureate Linus Pauling vocally rebuked Shechtman and quasi-periodic crystals.

As is the case in science, long-standing "accepted" truths often prove to be no more than mistaken assumptions. Already by the late 1980s, researchers in France and Japan fabricated quasi-periodic crystals large enough to be examined with X-rays. Since then, different intermetallic quasicrystalline systems have been synthesized in laboratories across the globe.

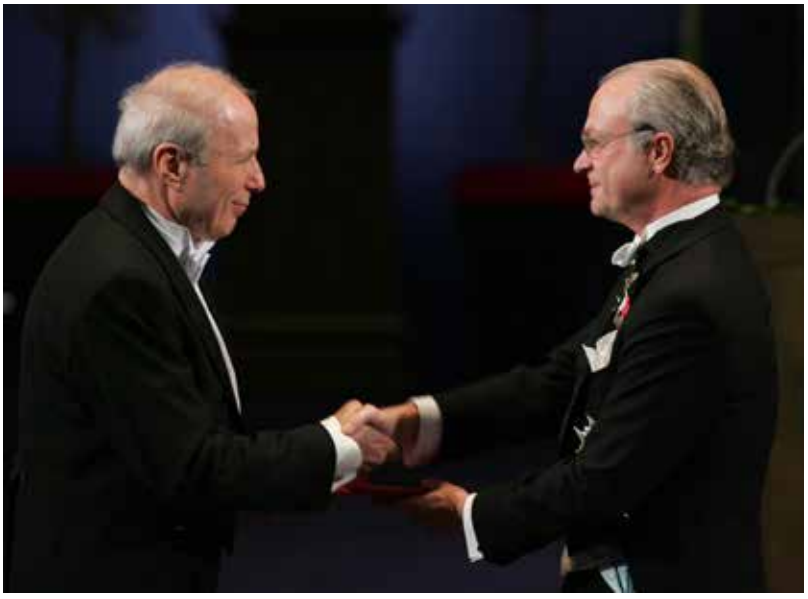
Quasicrystalline materials' peculiar elastic, thermoelectric, and mechanical properties render them advantageous in numerous applications (durable steel for fine instrumentation, nonstick insulation for frying pans, etc.). Yet, as noted by the Nobel Prize Committee at the Royal Swedish Academy of Sciences, the essential import of Shechtman's controversial work was that it **"eventually forced scientists to reconsider their conception of the very nature of matter."**

### Quasi-periodic crystals

For nearly a century, scientists defined Crystals as substances featuring an ordered three-dimensional structure of atoms and molecules that periodically recur at regular spatial intervals called periodicity. Astoundingly, as part of an early 1980's DARPA sponsored investigation into the metallurgical properties of metal alloys, Dan Shechtman found evidence to the contrary! Melting an aluminum 25 weight percent manganese alloy and, then rapidly cooling it back into the solid state, the newly solidified alloy was examined using a high-resolution electron microscope. Incredibly, this was found to contain an ordered atomic structure with five-fold rotational symmetry diffraction pattern, forbidden in periodic crystals. Its atomic order was not periodic, thereby, belying the firm belief that the nature of crystals was always periodic. This newly discovered type of solid material was coined **Quasi-periodic crystal.**

# Reflections on Issues of Interest

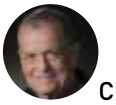
**Many of Academia's most prestigious awards emphasize potential real-world applications in assessing the value of a scientific achievement. Should there be, and can there be, an academic agenda of pure basic science for its own sake in your respective disciplines?**



**Hershko:**

"Curiosity-motivated basic research has delivered most of the world's greatest discoveries.

In biomedicine, there is such an inclination (i.e., to prioritize application-oriented research). I think it could potentially be counterproductive and hamper scientific advancement. Talented researchers in academia should have the latitude to work on what piques their curiosity and the important discoveries will naturally follow. Applications will proceed from there as well."



**Ciechanover:**

"I think that it's harmful to aim research towards applicability per se, very harmful. We must allow good people to work without artificial constraints.

For me what's important is the expansion of knowledge in order to understand basic and fundamental processes. Whether it be biology, physics, chemistry etc. Our (Nobel-Prize-winning) case is the best example how not to limit research to applicability...We were driven by curiosity as we wanted to understand an aspect of the world in which we live. The end result was that people applied for drug development, but the root was curiosity."

**Shechtman:**

"Most research funds are given for applications. However, in practice, I do my basic materials science research as part and parcel of the applied studies that are funded."

**Your academic career and achievements have coincided with, and been interwoven into, multiple decades of Technion history. What is the Technion's signature contribution to the State of Israel?**

**Shechtman:**

"I will tell you why the Technion is so important for the State of Israel....The Technion trained those who created the material basis for the state's foundation. The Technion is unique. No other university in the world affected the very creation of its country as the Technion did."

**Ciechanover:**

"The Technion is truly a unique institution. The State of Israel as we know it wouldn't have been established and existed without the Technion. The vision behind establishing the Technion decades prior to having a State in order to train those who would build the soon-to-be state was a transformative idea."

**And as regards its broader influence beyond Israel's borders:**

**Hershko:**

"In relation to research and scientific discoveries, innovations and technical expertise.....through international exchanges, through sabbaticals and conferences abroad, Israel has had outsized impact on the world of science. In certain technological areas as well as in biomedicine, I think that the Technion has had exceptional impact."

# A Technion Prize
## Cherished by the Global Scientific Community





**Every year, the Technion's Harvey Prize honors outstanding scientists and scholars from around the world – many of whom later go on to win a Nobel Prize**

Since 1972, the Technion has awarded the Harvey Prize to prominent scientists and scholars from around the world who have made groundbreaking contributions to improving humanity. The Prize celebrates outstanding efforts in the areas of science, technology, human health and peace, and inspires researchers across the globe. To date, one-third of the Harvey Prize laureates have subsequently received Nobel Prizes, leading it to gain an international reputation as a "Nobel predictor."

The prestigious Harvey Prize was established by the late Leo M. Harvey (1887-1973), an inventor and entrepreneur from California who was an ardent supporter of Israel in general and the Technion in particular. The $75,000 prize commemorates Leo Harvey by honoring those who advance humanity through scientific excellence.

Harvey Prize laureates are selected by a council of world-renowned scientists, and all nominations are reviewed by the Harvey Prize Council – composed of the President of the Technion, one Vice President, the Dean of the Graduate School, and two representatives from both the Israel National Academy of Science and the Technion Senate. The Council's recommendations must be approved by the Technion Senate Committee for Honorary Degrees and Prizes. Laureates are invited to the Technion to receive their awards. While in Israel, they deliver lectures and meet with Israeli scientists and leaders. Material from these lectures is published in the Harvey Prize Papers.

## HARBINGER OF NOBEL PRIZES

Over the years, world-class luminaries in science, technology, medicine, government, and literature have been awarded the Harvey Prize. Remarkably, nearly 30 Harvey Prize laureates have gone on to receive the Nobel Prize – thereby reinforcing its reputation as a harbinger of the Nobel.

In 2018, the Harvey Prize drew considerable attention when it honored three outstanding scientists for their contributions to the understanding of key aspects of the CRISPR-Cas9 bacterial defense system and its application to genome editing. Two of that year's three winners—Prof. Jennifer Doudna of the University of California, Berkeley, and Prof. Emmanuelle Charpentier, originally from France and affiliated with several top institutions—received the Nobel Prize two years later. Mr. Mikhail S. Gorbachev, the last leader of the Soviet Union, also received both coveted prizes, although in reverse order; he first received the Nobel Prize for Peace in 1990 and then the Harvey Prize in 1992. Gorbachev made his first trip to Israel in order to attend the ceremony at the Technion.

## "A GREAT HONOR"

Last year the Harvey Prize was awarded to two immunologists: Prof. Drew Weissman of the University of Pennsylvania and Prof. Pieter Cullis of the University of British Columbia. Profs. Weissman and Cullis received the prize for contributing to the rapid development and delivery of COVID-19 vaccines to the public. Two months after he found out that he had won the Harvey Prize, Prof. Weissman was informed that he had also won the Nobel Prize in Physiology or Medicine.

At the 2024 award ceremony, Technion President Prof. Uri Sivan stated: "Your visit here is a declaration of your friendship with the Technion and with the State of Israel. In the Hebrew language and culture, there is an important term, 'Tikkun Olam' (repairing the world), which is a guiding value. This value is an integral part of the Technion's identity, acting out of a commitment to improving the world. As scientists, we all work toward this noble purpose, but only a few have managed to make as far-reaching an impact as you have."

"It is a great honor for me," said Prof. Weissman upon receiving the award. "I would never have missed the chance to come to the Technion and receive the Harvey Prize. Whenever I receive an award, I always think about how it will help me advance the other things I do, and I know that being a Harvey Prize laureate will help me promote the things I strive to advance."

Clearly, the Technion's global prestige is reflected in the fact that the Harvey Prize is one of the most coveted honors for the world's most brilliant and innovative scientists.

Technion President **Prof. Uri Sivan** to Harvey Prize winners:

"The value of Tikkun Olam (repairing the world) is an integral part of the Technion's identity. As scientists, we all work toward this noble purpose, but only a few have managed to make as far-reaching an impact as you have."

AMOS HOREV at 101

# The Life of a Legend

## Who Shaped Israel's History





Major General (res.) and former Technion president Amos Horev's 101-year life story is intertwined with the history of the State of Israel.

He is renowned as one of the most dominant and influential figures in Israel's history, who strengthened Israel's security, academic excellence, and technological advancements.

To mark the overlapping centennial celebrations, we caught up with Amos at his home to get his thoughts on the past, present, and future of the elite academic institution to which he is linked, and the state he served.

# The Man Who Was Always There

**Maj. Gen. (res.) Amos Horev is not just a key figure in Israel's history – he is one of the central architects of that history. From defending the "Yishuv" (the Jewish community in Mandatory Palestine), to combat roles during the War of Independence, to senior positions in defense, academia, technology, and public service – Horev was always there, leaving his indelible mark.**

## /01

**Amos Horev, you served as the chief ordnance officer, the chief scientist of Israel's Ministry of Defense, the president of the Technion, and chairman of Rafael. You led numerous public committees. What drove you to pursue such significant achievements?**

To answer that, I need to go back to my childhood. I was born and raised in Jerusalem. My father was an engineer at the Hebrew University. In our basement, we had a workshop with lathes and even a small weapons cache. My father was a hardworking man who loved technology. For my Bar Mitzvah, he gave me a revolver as a gift. I remember it as if it were yesterday. I immediately understood the importance of defending our homeland. A year later, I joined the Haganah, and at 17, I joined the Palmach (the military wing of the Haganah, which later became the foundation of the Israel Defense Forces).

By 18, I was already the deputy commander of a company led by Yitzhak Rabin—who would later become Israel's seventh chief of staff, minister of defense, and prime minister. When Rabin left the position, I took command of the Kfar Giladi platoon, and from there, I advanced to lead companies. In this role, I led hundreds of young fighters in operations that are embedded in Israel's history.

In 1947, at the age of 23, I began my studies at the Technion, but they were interrupted just a month later when the War of Independence broke out. I returned to the army to defend my homeland. Among the many battles during the war, one had a profound impact on me. Due to an operational error, the "convoy of the 35" failed to reach its destination, and all 35 of its members were killed in combat. The convoy members were my former subordinates, some of whom I had commanded during my time at Kfar Giladi. I recall the events of that tragedy with sharp clarity. Even 77 years later, the faces and names of the fallen are etched in my memory.

Towards the end of the war, Horev served as the operations officer for the Commander of Southern Command, Yigal Allon, who would later become a major general and deputy prime minister of Israel.

After the war ended, Horev met with Prime Minister David Ben-Gurion and Chief of Staff Yigal Yadin, expressing his desire to resume his studies, this time at the prestigious Massachusetts Institute of Technology (MIT). Thus, Amos Horev became the first officer in the Israel Defense Forces to study abroad under the auspices of the army.

Upon his return to Israel, Horev established and led the IDF's Department of Weapons Development. A year and a half later, the Chief of Staff and later Defense Minister, Moshe Dayan, appointed him chief ordnance officer. Under his leadership, the artillery corps was upgraded to include self-propelled artillery, and a series of innovative technological developments were advanced, which proved critical during the Six-Day War. Horev continued to strengthen the IDF's capabilities as the head of the Logistics and Technology Branch and contributed to significant advancements as the chief scientist of the Ministry of Defense, adhering to his belief that the Israel Defense Forces must remain strong and self-reliant.

During the Yom Kippur War, he served as a special assistant to the Deputy Chief of Staff, Israel Tal. The end of the war also marked the conclusion of Amos Horev's military career and the beginning of a new chapter in his life.

# Academic Excellence Begins with Values

## /02

**In 1973, you were appointed president of the Technion, becoming the first Israeli-born president of the institution. How do you remember stepping into the role of Technion president? What did you want to preserve, and what did you want to improve?**

I served two terms as president. I was asked to stay on for an additional year until a replacement was found, a total of nine years that were an incredible experience and pure joy to me. There was a fantastic atmosphere on campus, and the students were wonderful. We made many changes during that time.

First, we unified the campuses. The Faculty of Architecture was then located in downtown Haifa and there was another building on the Carmel. I wanted everyone to study together, and that's what happened. I also took care of establishing the Ecological Garden, which until then had been used as a site for storing chemical waste. Today, there's a greenhouse and paths with Carmel flora there. Students, their families, and visitors walk there now—it's wonderful in my eyes. I also closed the road that cut through the Technion campus and replaced it with Kislak Park, adjacent to the Zielony Student Union Building, which also grew and developed during my tenure.

On the academic side, there was also significant progress. I founded the Rappaport Faculty of Medicine to address the growing need for medical research and physicians in various fields. We added laboratories, academic activities, and more.

## /03

**You're often referred to as "the students' president," as your interpersonal connections with them were important to you. Is that something you took from your time as a military commander?**

Absolutely. Even in my Palmach days, I knew how to talk to young people. Whether as a commander or as a president, you have a responsibility toward them.

## /04

**How important was the social fabric to you?**

It's one of the most important things. I learned that when I was a student at MIT. There, students and academic staff would meet and sit together in a lounge, drink coffee, and chat. I brought that to the Technion. It was a big change at the time. Every student who wanted to talk to me knew they were welcome. That doesn't mean everyone liked what I had to say, but I always told the truth. I explained that studying at the Technion requires effort and isn't necessarily suitable for everyone. Student representatives also came to me, asking to split the Student Union. I firmly insisted that there be one union to represent all students equally.

## /05

**The famous Technion swimming pool was also built during your tenure.**

That's right, and there's a short story behind it. My friend, Teddy Kollek, then the Mayor of Jerusalem, invited me to meet with an American donor who wanted to donate a building to the Technion. When I arrived at the meeting, it turned out the building was in Jerusalem and wasn't of any use to us. The donor asked how he could contribute to the Technion, and I suggested building a swimming pool.

**Why a swimming pool?**

I wanted a place where students could meet up with academic and administrative staff in a non-formal atmosphere—in swimsuits.

**During your tenure, the Technion underwent profound changes: the unification of campuses, the development of sports facilities and gardens, the establishment of the Ruth & Bruce Rappaport Faculty of Medicine, and advancements in research and development in fields such as marine engineering, robotics, transportation, and more—all while fostering a new organizational culture. Between 1973 and 1981, the number of students rose significantly, and the academic faculty grew significantly, all while maintaining academic excellence.**

## /06

**If you had to point to one thing above all that you're most proud of in your Technion legacy, what would it be?**

My door was always open to everyone.

From the conversation, one can sense Amos's immense satisfaction with his time as president of the Technion. He explains that his passion for education has always been a part of him, evident both in his roles as a junior and senior commander, as well as in his presidency of the Technion. Even after his term as president ended, Horev remained deeply involved, volunteering for decades as chairman of the Israel Friends of Technion Association, a member of the Technion's Board of Governors, and deputy chairman of the Technion's Board of Trustees.

In 2021, a new sports arena on campus was inaugurated in his name in recognition for his many years of dedicated service to the Technion. Technion President, Prof. Uri Sivan, aptly described Horev's uniqueness, referring to him as "the forefather of Technion presidents," a guiding light for the select few of those who have held the position.

## /07

**In your inaugural speech as president of the Technion, you stated, "The Technion – Israel Institute of Technology bears a national responsibility of the highest order to educate and train thinking engineers, architects, and scientists who will fill the gaps and contribute to the development and advancement of Israeli industry and the building of a beautiful Israel." It seems that this vision has been wonderfully realized. How do you view the Technion today, in its 100th year, and what are your wishes for the next century?**

It's hard to imagine Israel as we know it without the skilled workforce that the Technion has trained and the services it has provided, both to the civilian economy and to national defense. The Technion, as a leading academic institution, must continue to develop and adapt to the changing needs of the world. Only in this way will it remain at the top.

# He Remained at the Top

Even after completing his role as president of the Technion, Horev remained at the top. Prime Minister Yitzhak Rabin asked him to rebuild the Authority for the Development of Weapon Systems, which was then a subsidiary unit of the government.

"Thanks to this move, which faced a lot of opposition from the Ministry of Finance at the time, we developed technologies and defense systems that helped us in the last war."

After nine years as the chairman of Rafael, Amos continued to be very active in numerous roles, including as chairman of investigative committees, public committees, and even a committee to examine the Mavi Marmara flotilla incident in 2010. He was appointed to oversee the emergency stockpiles of Israel's fuel reserves, coal energy, and gas. Under his leadership, a committee was established at the Ministry of Energy to examine the feasibility of integrating nuclear energy into Israel's electricity generation. He also served as a board member for several companies.

A brief tour of Amos's home reveals shelves and cabinets filled with literature on the history of the State of Israel, the IDF, and technological topics. Naturally, some of the books highlight his work and contributions. The walls of his home are lined with mementos, recognitions, and pictures. Alongside certificates of appreciation from Rafael, the IDF Ordnance Corps, special certificates from the President of Israel for his outstanding contribution to Israel's security, and the President Herzog Award for special contributions, there is also a place for a certificate of recognition from the Technion Student Union titled 'The President of the Students.'

From the left: Yitzhak Rabin, Amos Horev, Yigal Alon

Among the collection of pictures are some which particularly stand out: those in which he stands alongside his Palmach friends (Rabin and Yigal Allon), fellow members of the generation of 1948 who are no longer living, and the generation of giants who, like him, helped fortify Israel's security. "Setting an example, as it was then for my peers of the 1948 generation, is the missing element today," he notes while looking at the pictures.

When asked about the current state of the country and its future, he finds it hard to feel optimistic or to make predictions. He uses the metaphor of a pendulum, which is in constant motion from side to side, explaining that every extreme action generates a counter-reaction, and therefore he hopes the pendulum will swing in a positive direction.

In the meantime, he maintains an active daily routine, including walking, reading, and quality time with his family.

"Since I've reached the age of 100, I'm less involved in activities than I used to be," he jokes, "but when I'm approached for help or advice, I don't refuse."

# ANGUISHED AND GRIEF-STRICKEN

The Technion community mourns the tragic loss of lives on October 7th, 2023, when violent terrorists attacked peaceful civilian homes.

We grieve the deaths of our soldiers, police officers, and paramedics who fell in the line of duty while defending our homeland that day, and throughout the ensuing Swords of Iron war.

Our hearts are heavy with sorrow and concern for those still held hostage. Our thoughts and prayers are with our friends and colleagues who have lost their loved ones.

May the memories of those who fell in battle and those who were murdered be a blessing and may all our hostages return safely to their families.

**Alon Safrai**
Student at the Ruth and Bruce Rappaport Faculty of Medicine

**Dennis Krahmalov Wexler**
Student at the Stephen B. Klein Faculty of Aerospace Engineering

**Amit Chayut**
Student at the Taub Faculty of Computer Science

**Dov Moshe Kogan**
Graduate of the Faculty of Mechanical Engineering

**Yoram Bar-Sinai**
Graduate of the Faculty of Architecture and Town Planning

**Hagit Rafaeli Mishkin**
Graduate of the Faculty of Education Science and Technology

**Yakov Nedlin**
Graduate of the Faculty of Mechanical Engineering

**Eliran Yeger**
Master's student at the Faculty of Data and Decision Sciences

**Shmuel (Sammy) Harari**
Graduate with a master's degree in real estate studies (MRE)

**Moshiko (Maxim) Rozenwald**
Graduate of the Faculty of Civil and Environmental Engineering

**Ofer Yung**
Graduate of the Faculty of Civil and Environmental Engineering

**Evgeny Zinershain**
Graduate of the Henry and Marilyn Taub Faculty of Computer Science

# HEROES AMONG US



## A special panel of inspirational students was held as part of the inauguration of the Technion's Resilience Center

The Center consolidates all aspects related to campus resilience. Established by former Dean of Students **Prof. Ayelet Fishman,** the Center is now supported by Dean of Students **Prof. Guedi Capeluto** and is under the responsibility of the Senior Executive Vice President **Prof. Oded Rabinovitch.** The launch of the Center and its resilience pilot program was made possible thanks to the generous support of the Rothschild Foundation and the professional collaboration and guidance of the Israel Trauma Coalition .The Center aims to strengthen both mental and communal resilience within the Technion community, during emergencies and routine situations.

The launch event led by the head of the center, Ayelet Friman, highlighted the stories of a few students who, like many others, showed remarkable resilience by successfully confronting the seemingly insurmountable challenges of the past year. Each of the students featured in the panel rose above and beyond the call of duty and served as a paragon of society in his or her own way, with his or her own story.

From the left: Guy Finkelstein, Stav Aviram, Omri Natanson, Bar Goren, Nimrod Sideman and host, Guri Alfi



**NIMROD SIDEMAN** (Stephen B. Klein Faculty of Aerospace Engineering) was born in Israel but raised in the United States. At age18, he enlisted in an elite combat unit of the IDF and later completed his bachelor's degree at the Technion's Stephen B. Klein Faculty of Aerospace Engineering. He then continued his academic journey in the U.S., nearly completing a master's degree. Following the events of October 7, 2023, Nimrod immediately knew he had to return to Israel and rejoin his battalion. "From the moment I saw what was unfolding on the news, it was obvious to me that I needed to join my friends," he recalls.
After more than 200 days of intense fighting, Nimrod chose not to return to his peaceful and comfortable life in California. He understood that his place was in Israel. Upon his return, he began to feel disconnected from his peers abroad, many of whom distanced themselves from him because of his IDF service.
Around that time, a friend sent him a flyer from the Technion, inviting students whose studies abroad had been disrupted by the war to continue their education in Israel.
"I made the decision instantly," Nimrod says. "I knew I needed to be back in Israel. I belong with this community."
Today, Nimrod lives in Haifa and is pursuing his master's degree at the Technion.

**BAR GOREN**
(Faculty of Biotechnology and Food Engineering) also feels a strong sense of community. On October 7, Bar and his sister hid while terrorists invaded their home in Kibbutz Nir Oz.
Bar and his sister miraculously managed to survive and were rescued by soldiers, but their parents, who lived nearby in the kibbutz, were nowhere to be found. After long days of searching, they were presumed to have been kidnapped. Bar was evacuated together with all the surviving kibbutz members. They maintained a strong sense of cohesive community, helping the younger members who lost their families on that dreadful day. Bar volunteered to accompany the elementary school kids, trying to maintain their routine and take care of their needs.
"I had to be active," he explained, "many young children were left alone, scared and worried. As a community, we unified, and each person did their part to help the others."
Sadly, ten days after that October 7, the body of Bar's father was located, and two months later, his mother was declared deceased. Her body was only recovered and brought to burial ten months later, at the end of July 2024. After the 7th of October, and despite the enormous crisis that affected his life with great intensity, Bar began his first year of studies at the Technion. He is currently in his second year of studies. His situation did not stop him from fulfilling his role in his community, nor did it deter him from continuing his academic path. With the support of the Office of the Dean of Students, he received academic accommodations, personal assistance, and scholarships that covered his tuition and housing in the student dormitories through to his graduation.

**OMRI NATANSON** had to battle on two fronts after October 7. Shortly after he was called up to his reserve unit, he was diagnosed with leukemia. Omri suspended his reserve duty to undergo a series of intense radiation and transplant treatments that saved his life. Once Omri regained his strength and received his doctors' approval, he returned to his unit and resumed his studies for the current academic year. Having achieved both goals, he now feels healthy and is pursuing his studies at the Andrew and Erna Viterbi Faculty of Electrical and Computer Engineering.

**ALEX GARBER**
(Stephen B. Klein Faculty of Aerospace Engineering) Alex shared that at the beginning of the war, he was deployed in the Gaza Envelope. He was injured during the exit from Gaza, after taking part in the fighting there. Despite his injury, he chose to return to duty just two weeks later, as his unit members were still actively engaged in combat. He emphasized that, as a student of aerospace engineering – a field that has played a crucial role in Israel's security over the past year – his studies hold even greater meaning for him today.

The Resilience Center also recognized the heroes who supported soldiers and evacuees by fundraising for the armed forces and minimizing the impact of their absence on the workforce. **STAV AVIRAM** (Henry and Marylin Taub Faculty of Computer Science) and her spouse, **GUY FINKELSTEIN** (Ruth and Bruce Faculty of Medicine), launched a social initiative to collect essential items needed by soldiers, such as phone chargers.

Ayelet Friman

**NAOMI SILVERSTEIN** (Andrew and Erna Viterbi Faculty of Electrical and Computer Engineering) shared how she had become accustomed to single-handedly caring for her children while her husband, Asaf (Faculty of Biomedical Engineering), served for hundreds of days in reserve duty.

Technion President **Prof. Uri Sivan** summed up the special launch event:

"There is a direct link between a community's resilience and the closeness of its members. The bond within the Technion community is extraordinary."

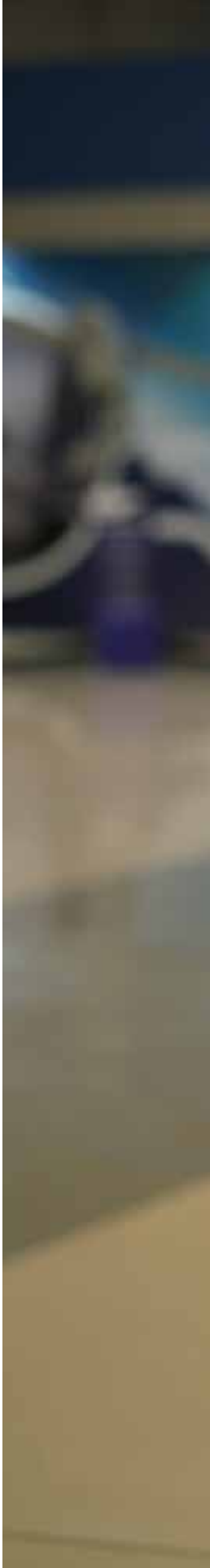
Naomi Silverstein

Alex Garber

# THE BEST OF THE BEST

**Boaz Levy, the current president and CEO of Israel Aerospace Industries and a Technion alumnus, has spent his entire career developing disruptive technologies. He believes that the Technion plays a crucial role in training engineers who ensure Israel's security and economy.**

Since he was a child, Boaz remembers being fascinated with objects that fly, and with space in particular. After serving in the Israeli Air Force and gaining experience with air-to-air missiles and other sophisticated technologies, his next step was self-evident: a bachelor's degree from the Technion's Stephen B. Klein Faculty of Aerospace Engineering – the only faculty of its kind in Israel. "This field touches my heart, and I was fascinated by the technical capabilities that enable objects to fly in the air and in space," he says. After graduating, Levy joined Israel Aerospace Industries (IAI) and has been there ever since, holding a string of key positions, culminating in his current role of president and CEO.



leave a mark.
A Century of Impact

"While working at IAI, I became a guidance and control engineer for the Aerial Weapon Systems project, and I felt I needed more education in systems engineering. The timing was perfect, as the Technion had just introduced a master's degree in systems engineering. I was fortunate to be part of the first cohort of systems engineers trained at the Technion,"
he notes.





Levy attests that the skills he learned during both his bachelor's and master's degrees have been essential throughout his career. "I'm doing exactly what I studied. The tools I learned at the Technion are the tools that have led me throughout my career. The Technion gave me the opportunity to learn about the dynamics of flight vehicles, which are highly important for aircraft and even more important for interceptors, and that was a major part of my career. My systems engineering studies taught me how to design a system in a manner that will fulfill all the customer's requirements. We learned many tools that I utilized during my work as a systems engineer, including the basics for anti-ballistic shields in Israel."

## PHENOMENAL RESULTS

Among Levy's many impressive achievements, he is especially proud of his role in the development of the Arrow anti-ballistic missiles. As a young engineer at IAI in the late 1980s, Levy met Dov Raviv, who headed its MLM division and believed it was possible to launch an interceptor that would behave like a ballistic missile but would intercept incoming ballistic missiles. Levy became the missile system's guidance and control engineer, then the system engineer, and eventually he became its chief engineer. Levy led the Arrow program for many years, including the development of Arrow 2 and Arrow 3.

Last April, the system was put to the test when Iran attacked Israel with more than 100 ballistic missiles. "The work that had been done for over 30 years proved itself on a single night, when we intercepted most of the ballistic missiles that were launched against us. It was a perfect result, and Israel demonstrated its intercepting capabilities."

In October, Iran attacked Israel again, this time with almost 200 ballistic missiles. Once again, the system's results were phenomenal.

Levy emphasizes that he was part of a large team of talented people who worked on the project both in Israel and in the U.S. "This is an achievement that came out of the engineering minds of many people, many of whom are Technion alumni," he points out.

## CLOSE RELATIONSHIP WITH THE TECHNION

IAI has 15,000 employees, of whom approximately half are engineers, including around 2,000 with master's and PhD degrees. "I believe we have the biggest community of engineers in Israel. Our engineers are the best of the best." says Levy, adding that more than a third of the company's engineers are Technion alumni.

IAI puts a lot of effort into recruiting students from the Technion. "We come to campus and explain about the benefits of working for a big company that allows its engineers to work on cutting-edge technologies with a big systems approach," Levy explains.

IAI has been collaborating with the Technion for many years, most recently on projects related to AI and space activities, and has invested in Technion laboratories and joint research. Moreover, the Technion offers a unique master's program in systems engineering specifically for IAI engineers and tailored to their requirements, and a special PhD program is now being designed for IAI employees.

IAI is also a partner in the Technion's new High-Speed Flight Center. The company is eager to support research in this field, which is crucial for launching satellites into space and designing next-generation interceptors. "We need these technologies, and that is why we are investing in the new center. We are working with the Technion to develop these capabilities," Levy elaborates.

## DEFENDING OUR NATION

IAI is a government-owned company paving its way to an IPO, and Levy is very proud of its tremendous growth in sales, profits, and new orders. At the same time, "we are there for the State of Israel and to defend Israel's population. We are there to give the IDF the right tools to defend our nation," he stresses.

After October 7, IAI made two major decisions: to put their best efforts towards meeting the IDF's needs for the war, and to fulfill all their obligations towards customers overseas. "This is a big challenge for IAI. We have been working 24/7 for a long time, and even recruited our retirees to return to work," Levy says. "We are responsible for Israel's safety and economy. In times of crisis like now, our goal is also to assist the population in Israel. In the last two years, we have been supporting many groups, such as helping farmers lacking manpower, supporting spouses of soldiers in the reserves, and many more activities."

Boaz Levy views the Technion's role in securing Israel's future well-being as vital. "The Technion must continue to lead engineering efforts around the world, not only in Israel, and to train the best engineers for the future. Technology keeps evolving, and the Technion must tailor its capabilities to teach its students new approaches to engineering. We need the best engineers and the Technion must continue to be a leading supplier of engineers," Levy concludes.

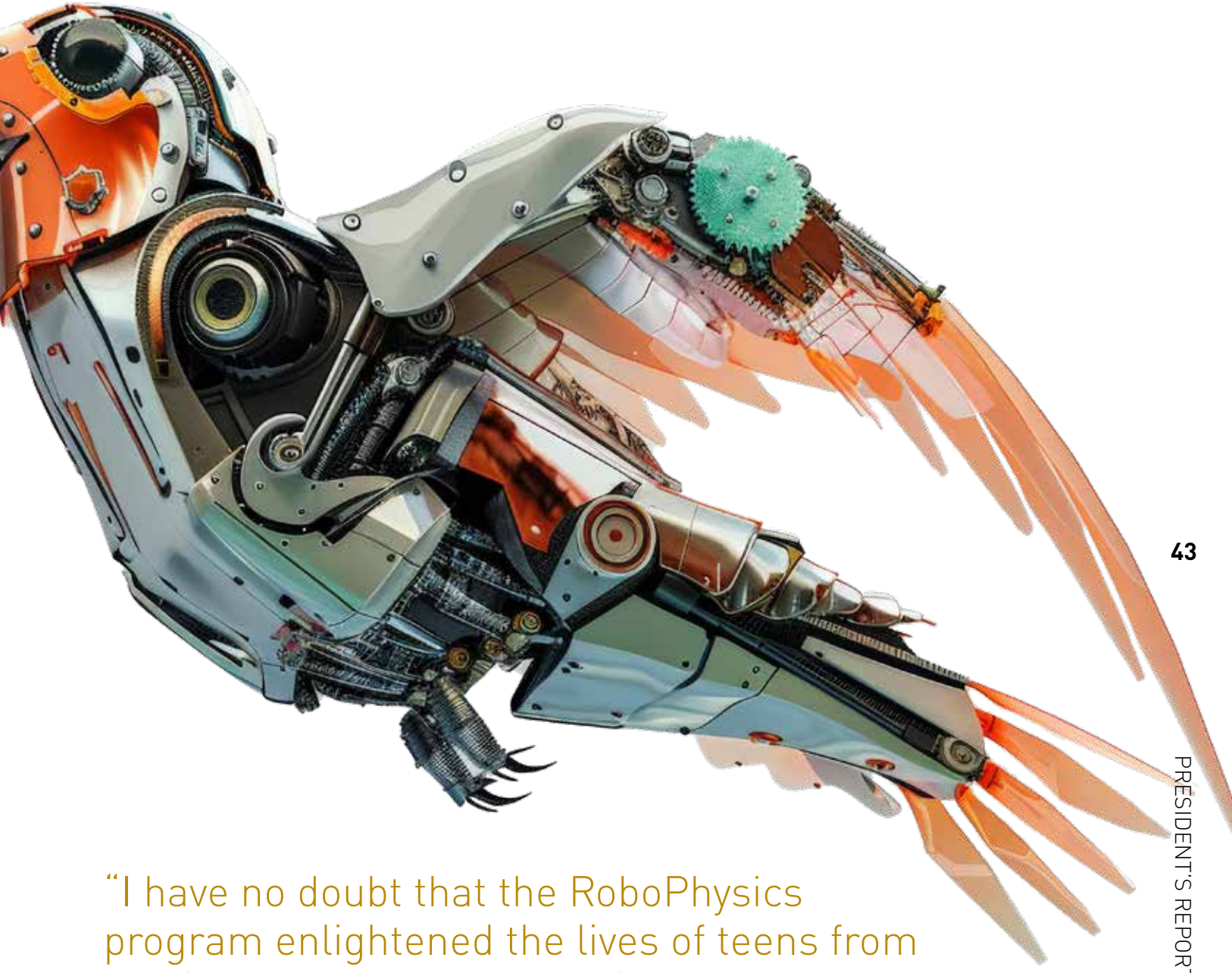
# TURNING TRAUMA INTO TRIUMPH

## RoboPhysics Empowers Evacuated High Schoolers





Throughout its 100-year history, the Technion has always been deeply committed to supporting Israeli society as a whole, and this allegiance to the community at large has been especially evident since October 7, 2023. Among the Technion's many wartime outreach initiatives, the prestigious RoboPhysics program for outstanding teens was adapted to meet the needs of high schoolers who were evacuated from their homes in confrontation zones. A special format of the program was devised to enable 183 teens to take part in a special tech boot camp and – more importantly – to smile once again.







"I have no doubt that the RoboPhysics program enlightened the lives of teens from the Gaza Envelope and the Galilee, and I'm sure that the week they spent at the Technion will remain in their hearts and will influence their paths now and in the future"

concludes **Technion President Prof. Uri Sivan.**

For more than a decade, the Andrew and Erna Viterbi Faculty of Electrical and Computer Engineering has run the innovative RoboPhysics technological educational program, equipping young students with advanced engineering and scientific knowledge that combines math, physics, computer programming and robotics. The program, which has attracted thousands of exceptional 5th-12th graders, many from peripheral regions, also confers important life skills and a supportive social framework.

The RoboPhysics initiative is widely respected throughout the educational system, academia, industry, and the IDF, and is certified by Israel's Ministry of Education, the Technion, and Yale University.

## ADDRESSING NEEDS POST-OCTOBER 7

After October 7, the program's founder and president, **Ofer Danino**, and its academic director, **Prof. Adam Shwartz**, immediately understood that they must do more: RoboPhysics had to address the urgent emotional needs of kids in a state of acute upheaval, not just teach them to love STEM subjects.

"It was clear to us that we couldn't simply offer students the same routine as before. We needed to create an environment where they could express themselves, process what they had experienced, and reintegrate into the system," **Prof. Adam Shwartz explains.**

For this purpose, the Technion partnered with the Atidim NGO, which specializes in empowering youth from Israel's geographic and economic periphery. Together, they designed an intensive program for 11th and 12th graders who had been evacuated from their homes near the Gaza Strip or the Lebanese border and whose school year had been severely disrupted. The idea was to give curious teens some much-needed emotional support alongside an equally necessary academic boost.

When the RoboPhysics team announced the special program, they were immediately inundated with requests. Four one-week cycles took place in the first half of 2024. The enthusiastic high schoolers spent an entire week at the Technion, enjoying full room and board and the campus's many facilities, including the swimming pool and Horev Sports Center. Their schedule was filled with classes and hands-on workshops, as well as faculty lectures about cutting-edge science and technology. They also worked on multidisciplinary projects that combined such fields as robotics, physics, software, electrical engineering, mechanical engineering, medicine, environmental studies, and more. One of the highlights was to build robots with the help of experts from Intel.



## ENTHUSIASTIC FEEDBACK

The students were delighted to be immersed in exciting activities in a serene atmosphere.

"The feedback we received from the participants was unbelievable. Many said that this was by far the best experience they had had during the war,"

**Prof. Idit Keidar,** dean of the Andrew and Erna Viterbi Faculty of Electrical and Computer Engineering.

"After what we went through on October 7, it's fun to be here, to study, build things, explore and, mainly, to smile. Everyone smiles here," one teen confided.

After each cycle ended, participants continued to receive personal mentoring as well as a generous subsidy for a college entrance exam preparatory course. Those who excelled received an academic credit point valid for future studies at the Faculty of Electrical and Computer Engineering.

In its most recent war-time incarnation, the RoboPhysics program offered a supportive environment that helped displaced teens get back on track. At the same time, it continued to strengthen its core mission of boosting Israel's national resilience through advanced technological education.

# With a Little Help from Our Friends

# ONE HUNDRED YEARS OF GLOBAL SUPPORT





As the Technion marks its centennial year, we celebrate not only a century of groundbreaking research and innovation, but also the vibrant communities that have shaped its legacy. At the heart of the Technion's achievements are its societies: a network of fundraising professionals and lay leaders that reflect our commitment to excellence, collaboration, and inclusivity. Our societies have fostered a sense of belonging, driven impactful initiatives, and united individuals in pursuit of knowledge and progress. Here, we explore the pivotal role of Technion societies in shaping the university's journey over the past one hundred years and their vision for the future.

# GERMANY

**The Deutsche Technion-Gesellschaft (DTG) or German Technion Society (GTS),** was founded by a group of German-Jewish businesspeople in April 1924 at the Berlin home of Albert Einstein. Einstein took on the responsibility of chairing the society. The initiative stemmed from the completion of the historic Technion building, which had been funded by the "Hilfsverein der Deutschen Juden," a Berlin welfare organization. Another key figure in the society's creation was architect Alex Baerwald, who played a crucial role in inviting Einstein to help form the society.

The society was revitalized in 1982, largely through the efforts of German Science Minister Prof. Eduard Pestel and Dr. Christian Hodler, who recognized the potential for German-Israeli scientific cooperation. This second incarnation of the society was also aimed at helping Israel, and the Technion, in particular, gain recognition within the European scientific community.

Key watershed moments in the society's history include its role in initiating scientific collaborations with German research institutions and researchers. The society continues to foster German-Israeli cooperation and has been instrumental in organizing events, exhibitions, and programs to highlight the Technion's achievements. In 2016, the society embarked on a significant research project to explore the early history of the Technion, including the role of Einstein and other key figures in its foundation.

Einstein's visit to the Technikum in 1923

Looking ahead, GTS aims to expand its influence by strengthening partnerships, increasing the involvement of younger generations, and enhancing Germany's collaboration with Israel in science, research, and education. The society envisions an even deeper integration of the Technion into Germany's business and political decisions, positioning Israel and its leading technological institution as key players on the global stage.

# ISRAEL

Current and former chairpersons, Prof. Peretz Lavie and Major General (res.) Amos Horev

**The Technion Israel Friends Association** has played a pivotal role in supporting the Technion from its early days. Operating since the 1930s, the association was founded to connect supporters of the Technion in Israel and raise essential funds. The association was officially registered in 1982 to strengthen the bond between the Technion and the Israeli economy. Its first chairman, Major General (res.) Amos Horev served as Technion president from 1973 to 1982 and then led the association for three decades, helping establish its foundational activities. Since June 2020, former Technion President Prof. Peretz Lavie has served as chairperson.

The association's influence has been significant in facilitating the development of the Technion, raising funds for critical infrastructure. Notable projects include the inauguration of several key buildings, such as the Amos Horev Sports Center in 2021, the Zisapel Building in the Viterbi Faculty of Electrical Engineering in 2022, and the Sagol Center for Composite Materials in 2023. The Carasso FoodTech Innovation Center is set to be inaugurated during the 2025 Board of Governors events, showcasing the society's continued impact on campus growth.

The association's interaction with the Technion is integral, operating directly from the Technion campus in Haifa. Engagement with the Technion means a deep commitment to supporting the institution's ongoing development, whether through scholarships, research funding, or infrastructure projects.

The Technion is a highly regarded institution within Israeli society, and the association's activities are warmly received, particularly by alumni who are eager to contribute. Moving forward, the association plans to further expand its donor base, particularly through alumni, to ensure the Technion continues to thrive.





# GREAT BRITAIN

**Technion UK** has a rich history that spans several decades, beginning in the 1930s when the UK played a significant role in supporting the Technion. After several failed attempts to establish a formal organization, the Technion Society of Great Britain was officially founded in the House of Lords with Lord Silkin, a former Minister of Town and Country Planning, becoming its first chairman. The initial focus of the society was cultural, but in 1953, a British Committee for Technical Development was formed alongside it. These two organizations merged in 1960 to create the British Technion Society.

Throughout its history, the British Technion Society launched a series of highly successful projects that greatly contributed to the development of the Technion campus. Notable leaders such as Arthur Blok, Sir Louis Sterling, and Sir Michael Sobell, who were philanthropists in the Anglo-Jewish community, played pivotal roles in these efforts. Notable contributions included the construction of the central auditorium, which was named after Sir Winston Churchill with his consent, and the Senate Building, named in memory of Sir Louis Sterling.

Technion UK focuses on raising awareness of the Technion, connecting with the Jewish community, and developing relationships with new potential donors, including those aged 25 to 50 (a target audience known as Technion Future). Despite challenges such as the aging donor base, Technion UK remains committed to ensuring the institution's continued growth and influence.

Lord Silkin, the first chairman of the Technion Society of Great Britain

# UNITED STATES

Mark Gaines, current ATS president

**The American Technion Society (ATS)** was founded in New York City in 1940 by a group of visionary entrepreneurs and scientists who sought to garner support for the Technion from the United States. This initiative came 16 years after Albert Einstein, who played a pivotal role in the founding of the first Technion Society in Germany in 1924, became involved in the Technion's global outreach.

Since its inception, the ATS has raised over $2.9 billion for the Technion, more than any other U.S.-based organization supporting Israeli higher education. This funding has fueled groundbreaking advancements and expanded the Technion's presence globally, including the creation of the Guangdong Technion Israel Institute of Technology in China in 2015 and the Joan and Irwin Jacobs Technion-Cornell Institute at Cornell Tech in 2013.

The ATS plays a critical role in supporting the Technion's mission, representing thousands of U.S. donors, alumni, and stakeholders who invest in the institution's research and education. The society helps fund capital projects, faculty recruitment, and numerous academic initiatives at the Technion, ensuring its continuous growth and innovation. With a focus on capital projects, student support, faculty support, and research, the ATS's fundraising efforts are integral to the Technion's success. Its donor base includes individuals and organizations interested in supporting Israel, as well as those invested in academic excellence globally. The ATS is governed by a national Board of Directors whose officers are elected by the membership. Mark Gaines is the current ATS president.

Looking ahead, the ATS aims to continue growing its donor base, particularly by fostering multi-generational giving and utilizing innovative fundraising strategies to ensure a sustainable future of support for the Technion.



# FRANCE

**The Association Technion France (ATF),** originally known as the Groupement Français des Amis du Technion (GFAT), was officially established on November 9, 1951. Its mission is to bridge Technion's technological excellence with France's strong academic and industrial landscape, driving collaboration in science, innovation, and entrepreneurship.

Visionary leaders like Prof. Jacques Lewiner, a renowned physicist and entrepreneur, played a crucial role in shaping ATF's direction. Under his leadership, ATF has promoted Israeli innovation in France, reinforcing Franco-Israeli partnerships in cutting-edge fields such as healthcare, AI, and sustainable energy.

ATF has been instrumental in organizing major conferences, forming research partnerships, and fostering industrial collaborations. More than just a fundraising entity, it actively builds synergies, promotes Technion's research, and facilitates student mobility between France and Israel. ATF also plays a key role in technology transfer and innovation, helping French companies engage with Israeli scientific advancements.

Beyond academia, ATF counters delegitimization efforts against Israel by emphasizing the Technion's global impact. Through high-profile events and specialized discussions, it educates the French public about the Technion's contributions to science and technology.

Looking ahead, ATF aims to expand its donor base, attract young professionals, and strengthen industrial ties. By optimizing fundraising and fostering deeper academic and business partnerships, it seeks to ensure Technion's continued prominence within the French and global scientific communities.

Prof. Jacques Lewiner, current ATF president

## AUSTRALIA

**The Australian Technion Society (Technion Australia)** was founded in the 1960s by Mietek Gringlas, an engineer who recognized the importance of supporting the Technion. Gringlas, driven by a desire to promote and sustain Israel's top engineering institution, laid the foundation for the society's mission to raise support for the Technion's growth.

Originally, there were two separate Technion societies in Australia—one in Melbourne and the other in Sydney. These two societies merged to form Technion Australia about 20 years ago. One of the landmark achievements in the society's history occurred in the 1970s when the two societies worked together to establish Australia House at the Technion, a Coastal and Marine Engineering Research Institute that includes a small-scale model of Haifa harbor. This collaboration highlighted the power of Australian-Israeli partnerships in advancing cutting-edge research.

The society represents the Technion in Australia by raising funds to support the institution's research initiatives, particularly in environmental and health promotion areas. The society also promotes the Technion's brand in Australia and supports Australian students who wish to study at the Technion, including through a scholarship fund that helps bring Technion professors to Australia for visiting lectures and collaborations.

The name "Technion" is often unfamiliar to the broader public, but once Australians learn about the institution's significant contributions, their response is overwhelmingly positive. To further expand its impact, Technion Australia is working on hosting more events, particularly those featuring Technion professors, to increase awareness and attract more donors.

Looking to the future, Technion Australia plans to grow its donor base and strengthen its presence in Melbourne by hiring a dedicated staff member to re-engage the local community. This ongoing effort is vital to ensuring the society's continued support for the Technion and its global research initiatives.

**Ruth Ratner, current president of Australian Technion Society**

## SWEDEN

**The Swedish Technion Society** was founded in 2002, following an initiative by Prof. Per-Olof Gutman from the Technion and Prof. Anders Lindqvist from KTH Stockholm. The motivation behind its creation was the recognition that Sweden, too, should have an organization dedicated to supporting the Technion, similar to Technion societies in other countries.

A key moment in the society's history was in 2011 when Stefan Sturesson became the chairman, marking the beginning of an annual tradition of organizing seminars with researchers from the Technion and Swedish universities. The society works to promote awareness of the Technion within Swedish academic and business communities. Additionally, the Swedish Technion Society helps establish and nurture contacts between the Technion and Swedish universities.

Engagement for the society means having a strong commitment to supporting the Technion and Israel. The board's dedication to these causes drives the organization's activities, such as arranging scientific seminars and engaging in fundraising efforts. The society continues its mission to raise awareness and funds for the Technion's research. Looking forward, the Swedish Technion Society aims to increase its membership, boost fundraising efforts, and further enhance cooperation between Sweden and the Technion.

**Prof. Anders Lindqvist, one of the founders of the Swedish Technion Society**

# CANADA

Edward Nagel, current president of Technion Canada

**Technion Canada** was officially granted its charter in June of 1968. The society's roots stretch back to the late 1940s, when a group of Canadian engineers and architects began mailing books to the Technion to assist in its development. D. Lou Harris, a pioneer in the Canadian radio industry, was instrumental in formalizing these efforts. Harris' leadership was pivotal in establishing a formal connection between Canada and the Technion; he held the position of National President for over 25 years, ensuring that the society's mission remained focused on advancing the Technion's growth and academic excellence.

One of the first major projects funded by the society was the construction of the Canada Chemistry Building at the Technion in 1965. This project, aimed at enhancing the university's infrastructure, was the beginning of a long-standing relationship between Canada and the Technion. In 1977, Technion Canada raised $3.1 million to build the Canada Village Dormitory Complex, which addressed a critical housing shortage for students and increased campus accommodations by 40%. The society also played a significant role in supporting the Toronto Technion High Tech Fund, which helped enroll Russian students and foster entrepreneurial initiatives in Israel.

The society's engagement with its community is reflected in its growing outreach efforts, including event attendance, newsletter subscriptions, and increased interaction through digital channels. As a result, the society has experienced significant growth, with a notable expansion in its email database and online donations. The Centennial celebration, featuring keynote speaker Dan Senor, was a major milestone, attracting over 400 participants and demonstrating the society's expanding influence.

The society combats the BDS movement by promoting awareness of Israel's contributions to science, technology, and global progress through events, lectures, and media campaigns that highlight the Technion's achievements.

Looking to the future, Technion Canada aims to enhance donor engagement, expand its youth and student programs, strengthen strategic partnerships, and increase Technion's global impact. These goals include offering more scholarships, facilitating student exchanges, and creating mentorship programs for young Canadian leaders interested in STEM fields. By continuing to foster collaborations with corporate partners and philanthropic organizations, Technion Canada seeks to build on its legacy and secure a strong future for the Technion.

**The Hellenic Technion Society** established in late 2003, was founded by a group of Greek Technion graduates, including Prof. Benny Natan. The society's primary goals were to raise awareness of the Technion in Greece, encourage Greek students to study at the Technion in Israel, and support fundraising efforts for the institution.

A significant moment in the society's history was the visit of several renowned Technion professors to Greece, including Nobel laureate Prof. Aaron Ciechanover, who delivered a captivating speech shortly after receiving his Nobel Prize. These visits helped further the society's mission and inspired Greek students to pursue academic excellence. In terms of tangible contributions, the society has donated two apartments in the Eastern Village Dormitories, as well as established the Nissim and Carry Mionis Scholarship Fund and the Information Portal for the Grand Water Research Institute.

The society has worked closely with the Technion, particularly in its early years, organizing events and raising funds to increase the Technion's visibility in Greece. The society has maintained strong ties with Greek academic institutions, and recently, the Greek Minister of Education expressed interest in exploring formal cooperation with the Technion, a conversation that is poised to resume after the war.

Looking to the future, the society hopes to foster collaboration between the Technion and Greek universities through joint research programs or educational initiatives. Despite challenges in fundraising, the society remains dedicated to supporting the Technion, with a focus on building academic partnerships and promoting Technion's global impact in Greece.

## GREECE

Prof. Benny Natan, one of the founders of the Hellenic Technion Society



## ITALY

Piero Abbina, one of the founders of the Italian Technion Society

**The Italian Technion Society** was founded in 2005 by key figures such as Piero Abbina z"l, Dr. Fausta Finzi, Raffaele Bevilacqua, and Nora Alkabes. Its mission was to establish a strong relationship between the Technion and Italian universities, as well as to promote the Technion's reputation in Italy, especially in schools and among the broader academic community.

One of the most notable events in the society's history occurred in May 2007, when the Italian Technion Society organized a national event in Rome. The ceremony honored Nobel Laureates Rita Levi Montalcini and Aaron Ciechanover, drawing the attention of top politicians, Italian Jewish communities, and students. This high-profile event solidified the society's position within Italian academic and political circles. Another significant moment came in March 2008, when Rita Levi Montalcini visited the Technion where an olive tree, symbolizing the growing relationship between Italy and the institution, was planted in her honor.

The society has had a consistent and cooperative relationship with the Technion, working to raise funds and improve collaboration, especially in fields such as health, medtech, space economy, AI, and robotics. Moving forward, the Italian Technion Society aims to broaden its donor base, particularly by reaching out to larger Italian companies and enhancing its presence in academia, government, and corporate sectors.

# NETHERLANDS

Kobi Kurtz, current TSN chairman

**The Technion Society of the Netherlands (TSN)** was established in April 2008 as a non-profit foundation. The society was inspired by a desire to strengthen the relationship between the Netherlands and Israel in the fields of science, technology, innovation, and entrepreneurship. Key figures behind its founding include Jacob (Kobi) Kurtz, Henk van Esch, Wim van Sluis, Thomas Cohn, and Pim van den Dam, all of whom brought expertise from various industries including business, politics, and academia.

TSN acts as a bridge between the Technion and the Netherlands, facilitating cooperation and collaboration across various sectors. One of its most notable contributions is fostering joint research projects, technology transfers, and start-up incubations between Dutch entities and Technion. It also promotes the Technion's scientific achievements, cutting-edge technologies, and societal impact to the Dutch public. Engagement for TSN means creating meaningful connections between the Dutch community and the Technion. This includes activities like fundraising for the Technion Emergency Fund and inspiring Dutch students to apply to the Technion for graduate studies.

Public awareness and academic exchange are key areas of focus, as TSN works to increase understanding of Israeli innovation and to support collaborative research with Dutch universities. The society also seeks to expand its donor base, reaching out to a broader audience through social media and enhancing the connection between Dutch universities and the Technion. By promoting the Technion's positive impact, TSN helps combat movements like BDS and advocates for constructive dialogue.



# BRAZIL

**The Brazilian Technion Society** officially registered as the Associação de Amigos do Technion - Brasil, was founded on June 12, 2020, following a long period of informal activity led by Shaul Shashoua. Salomao Ioschpe took the lead in fulfilling this vision. The society's main goals include fostering collaborations between the Technion and Brazilian universities, promoting opportunities between Brazilian industries and the Technion, and encouraging Brazilian students to attend the Technion.

Since 2021 the society has worked to establish important cooperation agreements, such as those between the Technion and Albert Einstein Hospital in Brazil in human health, and with ITA in aerospace. These milestones, along with initiatives like the Technion Scitech scholarships for young Brazilian students, have increased the visibility and appreciation of the Technion in Brazil.

The Brazilian Technion Society serves as a bridge between Brazil and the Technion, providing critical guidance for Brazilian students aspiring to study there, promoting ongoing interaction with current students, and defending the Technion against boycotts. It also plays a key role in fundraising efforts, with plans to expand this by taking a group of Brazilian supporters to the Technion in 2025 for the Board of Governors event.

Looking ahead, the society aims to expand its presence in Brazil, establish more collaborations, and further strengthen ties with Brazilian academia, industry, and philanthropists.

From left: Salomão Ioschpe, current president of the Brazilian Technion Society, with Prof. Uri Sivan and Shaul Shashoua

**As we look to the future, the dedication of our friends around the world ensures that the Technion will remain a global beacon of excellence in science and technology in the next one hundred years and beyond.**

# Projects and Developing Infrastructure



## Andrea and Lawrence Wolfe Center for Translational Medicine and Engineering

The Wolfe Center is a joint venture between the Technion and the Rambam Healthcare Campus. The Center will bridge the gap between laboratory research and clinical application, equipped with essential resources such as physician-scientists, shared innovation spaces, clinical data experts, and cutting-edge fabrication services. The Center aims to be a hub for entrepreneurial-minded professionals seeking to merge clinical practice with advanced research. The project is currently in the advanced planning phase, and construction is nearly completed.

## Sagol Center for Composite Materials

The Sagol Center for Composite Materials, located in the Technion's Faculty of Materials Science and Engineering, is now completed and fully operational. Dedicated to advanced research in composite materials—lightweight, high-strength materials transforming industries such as aerospace, energy, defense, and civil engineering—the center strengthens Israel's leadership in innovation and fosters collaborations with academia, the defense sector, and advanced manufacturing. As the demand for next-generation materials grows exponentially, the Center serves as a vital and integral part of the Technion's expanding network of research excellence.

## Esther and Herbert Hecht Sustainable Protein Research Center

The recently established Esther and Herbert Hecht Sustainable Protein Research Center (HSPRC) at the Technion is a leading initiative dedicated to advancing cost-effective, renewable protein sources to address the growing global need for sustainable food solutions. This multidisciplinary center unites experts from fields such as engineering, medicine, nutrition, and data science to pioneer innovations in sustainable food systems. Through collaboration with industry, government, and academia, the HSPRC focuses on cutting-edge research and applied technologies for sustainable proteins. It aims to position Israel at the forefront of the field while training future entrepreneurs and researchers to shape the future of food production and sustainability.

## Carasso FoodTech Innovation Center

The Technion's Faculty of Biotechnology and Food Engineering is Israel's only source of food engineers and is one of the few faculties in the world that combine the disciplines of food science and engineering, biotechnology, and other life sciences. The Carasso FoodTech Innovation Center is essential for the development of sustainable technologies by providing both academic and private sector entrepreneurs with a pipeline to rapidly accelerate the development of their cutting-edge ideas. The Center aims to address pressing sustainability challenges by offering the knowledge, facilities, and infrastructure needed to develop healthy, tasty, and nutritious food solutions for a growing global population. Serving as a hub for Technion students and staff, entrepreneurs, and industry partners, the Center will foster applied and translational research, collaborations, unique hands-on training, and small-scale production using semi-industrial equipment. Among its standout features is the Don and Linda Brodie Floor, which houses the Semi-Industrial R&D Production Facility—an advanced space equipped with state-of-the-art food processing units designed to turn innovative food concepts into viable, sustainable products. Construction for this new center was completed at the end of 2024 and opened to students, faculty and the public in the first half of 2025.

# D. Dan and Betty Kahn Human Health Building and Bruce and Ruth Rappaport Cancer Research Center

The Bruce and Ruth Rappaport Cancer Research Center, to be housed in the future D. Dan and Betty Kahn Human Health Building, is at the forefront of advancing cancer research through interdisciplinary collaboration. This center is designed to foster creativity, communication, and cooperation among researchers, addressing the complex and multifaceted nature of cancer. Equipped with state-of-the-art facilities, cutting-edge technologies, and optimal infrastructure, the Center will enable innovative experiments that push the boundaries of traditional research and improve outcomes for those affected by cancer.

The D. Dan and Betty Kahn Human Health Building will serve as the dedicated home of the Bruce and Ruth Rappaport Cancer Research Center, offering a state-of-the-art environment designed to support groundbreaking cancer research. The facility will include advanced laboratory space, a modern auditorium for lectures and seminars, and dedicated areas for researchers, staff, and collaboration. It will also house the Biomedical Core Facility—a centralized hub of cutting-edge instrumentation and expert support that empowers scientists to carry out complex, high-impact studies. As planning progresses, the building is envisioned to reflect the Center's commitment to innovation and to help shape the future of cancer research at the Technion.


# Shillman Family Computer Science Building

The Shillman Family Computer Science Building in the Henry and Marilyn Taub Faculty of Computer Science will become a key hub for much of the Faculty's activities. This new state-of-the art facility will feature a two-story main entrance lobby, several classrooms, research laboratories, faculty offices, seminar and meeting rooms, as well as self-study and group study spaces.

The building will house an AI and Robotics Laboratory Complex for teaching and research, offering expanded space for projects that could contribute significantly to Israel's security. A dedicated Data Center will support faculty and graduate students working on cutting-edge research in artificial intelligence and machine learning, ensuring the Technion remains at the forefront of technological innovation.

## Nancy and Stephen Grand Aerospace Building in the Stephen B. Klein Faculty of Aerospace Engineering

The Technion's Stephen B. Klein Faculty of Aerospace Engineering, Israel's only faculty of its kind, is set to enter a new era with the construction of the Nancy and Stephen Grand Aerospace Building. This state-of-the-art facility will feature cutting-edge laboratories, modern classrooms, and advanced research spaces, designed to provide an inspiring environment for the next generation of aerospace engineers. The new building will supplement the Faculty's current home - originally the first structure on the Technion's main campus - and will meet modern safety and academic standards.

The new building supports an ambitious plan to expand and elevate the Stephen B. Klein Faculty of Aerospace Engineering. Enrollment is growing, driven by rising interest in fields like autonomous aviation, microsatellites, hypersonic vehicles, and renewable energy.

## Morton and Beverley Rechler Family Foundation Research Building

The Morton and Beverley Rechler Family Foundation Research Building will be the future home of the Technion's Center for High-Speed Flight (TeCHFlight), where core activities and advanced research into hypersonic flight will take place. This state-of-the-art facility will centralize and elevate the Technion's hypersonics capabilities, supporting critical research in areas such as aerodynamics, propulsion, and high-temperature materials.

Designed to foster collaboration across multiple faculties, the Rechler Building will house unique testing labs not found elsewhere in Israel. It will play a central role in ensuring Israel remains at the forefront of this strategically vital and technologically demanding field.

# Stewart and Lynda Resnick Sustainability Center for Catalysis

The Stewart and Lynda Resnick Sustainability Center for Catalysis (RSCC) was established to discover and develop new catalysts and catalytic processes to deal with the enormous challenges the world currently faces. These include carbon dioxide emissions and global warming, green hydrogen production, plastic waste remediation, new sustainable chemical transformation. The Center's primary goal is to advance sustainable discoveries with a meaningful, positive global impact. These critical goals will be achieved by harnessing the Technion's outstanding resources in such disciplines as chemistry, biotechnology and food engineering, civil and environmental engineering, biology, electrical engineering, mechanical engineering, chemical engineering, materials science and engineering, aerospace engineering, architecture—bringing together more than 50 professors from these disciplines into a single facility designed to advance concepts from the labs into applied technologies.

# Technion Healthy Aging Institute

The Technion Healthy Aging Institute, currently in its establishment phase, is a multidisciplinary initiative focused on improving the quality of life for aging populations worldwide. With the global population aged 60 and over expected to reach 2.1 billion by 2050, the Institute aims to bridge the gap between lifespan and healthspan. Building on the Technion's expertise in technology, science, and its partnerships with Israel's healthcare system, it will promote innovative solutions through four core components: iTechAge, a central hub driving research and collaboration; the Human Health Monitoring Center, which will track health data from an estimated 1,000 volunteers to advance aging research; Targeted Research, focusing on key aging themes with practical applications; and the Systems Medicine Center, offering technological and clinical support for data-driven studies.

# Senior Executive Vice President

**Prof. Oded Rabinovitch**



While keeping its national and international academic leadership role and promoting cutting edge research and education, the Technion continued to be affected by the ongoing war in Gaza and the conflict with Hezbollah in Lebanon throughout 2024. Technion's leadership, including the Office of the Senior Executive Vice President, has made and continues to make a concerted effort to maintain the Technion's academic stature and to accommodate the academic needs of the student body.

## Opening the Academic Year Under Fire

The attacks on Israel's northern region delayed the opening of the academic year to November 10, 2024. To comply with the Home Front Command guidelines and ensure that students situated on campus would be able to access a protected space in the event of a warning siren, the Undergraduate Studies team developed alternative arrangements for labs, lectures, and tutorials, during the first weeks of the winter semester with the purpose of reducing the numbers of people on campus. Priority for in-person activities was given to labs across all study years, first-year courses, and core courses in all departments. Online tools and study materials were made available to support students in classes that could not take place on campus. Thankfully, the ceasefire with Hezbollah came into effect at the end of November, allowing the Technion campus to return to normal activities for the remainder of the winter semester.

## Providing Ongoing Support for Reservists

Following the initial accommodations which were made for students who were called up to reserve duty at the outbreak of the war in October 2023, the Technion has continued to update and adjust the accommodations and support for reservists throughout 2024.

Technion played an active leadership role in creating the national accommodation framework for students serving in the reserves for the academic year 2024-25. This framework, which was jointly formulated and supported by all heads of universities and academic colleges in Israel and was adopted by the Ministry of Education and the Council for Higher Education, is based on experience gained at the Technion and other universities during the 2023-2024 academic year. It combines addressing the challenges faced by students serving in the reserves and their families with the need to maintain the quality of higher education and academic standards.

The framework includes exempting six credit points in undergraduate degrees or four credit points in graduate degrees. This applies to elective, general, and other courses, as determined by the academic institution.

In addition, students are entitled to a reduction in the number of assignments set for a subject, taking into account the ratio between the number of weeks of reserve service during the semester to the number of teaching weeks in the semester, and according to the nature of the course. These efforts, along with allowing students to progress in their studies without enforcing some prerequisites, study extensions and adjustments to exam and grade requirements are seminal tools allowing reservists to make academic progress.

The Technion's support for reservists extends beyond academic accommodations and encompasses a wide range of services and programs provided by the Dean of Students Office. These include individual academic support, free tutoring, rent waivers, and financial awards for extended service, along with psychological group and individual support. For all students and additional measures included educational guidance,

professional support, resilience-building and social activities. A Resilience Center was also established in 2024 to foster overall well-being during this challenging period.

These initiatives contributed to academic continuity, mental well-being and financial relief for those affected by this challenging situation. Furthermore, they contributed to the strength and resilience of the Technion as a supporting community.

### One Technion: "Developing Interdisciplinary Programs and Strengthening Internationalization"

In alignment with the strategic goal of One Technion, the School of Undergraduate Studies and the Academic departments have launched a series of new interdisciplinary study programs. These initiatives include:

- A BSc program that allows students to complete their first year together before integrating into one of the four participating faculties - Mechanical Engineering, Civil and Environmental Engineering, Materials Science and Engineering, or Chemical Engineering.
- A state-of-the-art teaching lab facility jointly serving three faculties: Biology, Biomedical Engineering, and Biotechnology and Food Engineering.
- Joint degree programs in Electrical Engineering and Physics and Electrical Engineering and Mathematics as well as in Data and information Engineering and Medicine.

As part of this effort to promote interdisciplinary education and to cross the disciplinary boarders, special emphasis has been placed on campus internationalization and the development of a new cross-disciplinary program for international students.

The outbreak of the war has led to a worrying rise in antisemitism and anti-Israel activities on campuses around the world and heightened efforts to boycott the Israeli academia. In response to these developments, we publicized an open call for students and researchers experiencing antisemitism to come to the Technion to study, teach, or conduct research. The call generated a lot of interest and the Technion has helped a number of students and researchers to transfer their study or move here for a research period. We continue to welcome students and researchers from abroad who would like to spend time at the Technion.

In addition, the Technion has launched a new BSc program in engineering or science for international students, with the goal of opening a new pathway for international students to study an undergraduate degree at the Technion. The new program, which will open in the 2025-26 academic year, allows students to study foundational courses in mathematics, science, and engineering, in English in the first year, and transfer to Hebrew courses in the second year. The program is structured in a flexible way in order to allow students to integrate into a number of engineering and science programs at the Technion. The Technion will provide students with a broad support framework, including Hebrew studies and social and academic support, to ensure participants in the program will thrive both academically and socially.

Technion sees internationalization as a strategic goal and has continued to invest in building institutional infrastructure and capabilities in order to attract and support international students and faculty, as well as developing and supporting international partnerships. One such partnership is the EuroTeQ Engineering University, a joint initiative with several leading technological universities in Europe. EuroTeQ promotes student mobility and joint programs, with the goal of enhancing students' international experience and skills.

Through these efforts, Technion aims to foster an open, international campus and strengthen its international standing and connections.

# Executive Vice President for
# ACADEMIC AFFAIRS

**Prof. Naama Brenner**





The Office for Academic Staff handles the appointment, tenure, and promotion of faculty and teaching staff; sabbaticals and vacations; trips abroad; appointment of post-docs and academic visitors; and scholarships and awards.

## New Faculty Recruitment

Efforts to recruit excellent faculty members continue. Since October 2024, the Technion has recruited 27 new faculty; eight more will join in October 2025. We are now recruiting several world-class senior scientists from universities abroad, possibly due to changes in the Jewish world in the aftermath of October 7 and the Swords of Iron War. We continue to recruit experienced professionals from industry into academic tracks, by acknowledging their past professional achievements. We have also recruited the first artist faculty member who will join the Department of Humanities and Arts.

To better reach potential candidates and to facilitate the handling of applications, we are constructing a portal for submitting tenure-track faculty applications. It is expected to be completed within the next six months.

This year, academic regulations were updated to align faculty recruitment at the rank of lecturer with that of senior lecturer. Our goal is to appoint nearly all new faculty as senior lecturers, reserving the lecturer rank for exceptional cases.

## New Faculty Salary Contract

In April 2024, a new salary agreement was signed for senior academic staff of all Israeli universities. It introduced several revisions affecting faculty life, including new regulations for travel funds, and new bonus payments for a fraction of excellent faculty members to be selected. Some of these changes require Senate approval. Committees comprising faculty representatives, the deans' representatives, and the union head have worked on these changes over the past year.

## Accelerating and Streamlining Promotion Processes

In the past year significant effort has been invested in improving the speed, efficiency and transparency of promotion processes. Analyzing statistics from previous years and discussion at the Deans' forum highlighted

the need for action on this matter. We have modified the academic regulations to shorten the maximum period for mandatory review of an associate professor's suitability for promotion from six years to five. Additionally, we are developing a system that will enable each faculty member to follow the status of their promotion on a Technion portal. We believe this will relieve uncertainty for faculty members and encourage prompt action from those responsible for different stages of the promotion process.

### Professional Networks on Campus

We now routinely hold meetings between our team members and the academic coordinators at the faculties. These meetings deal with different areas of academic affairs. We also hold an annual conference of professional committee chairs. These meetings have proven highly effective in enhancing community ties, sharing knowledge, and disseminating updates throughout the campus.

### Academic Staff Training

The young faculty mentoring program, led by our faculty members in collaboration with professionals, is now running smoothly for first-year faculty. In addition, the workshop for research advisors has been conducted several times in the past year with great success. In both programs, fostering a sense of community and strengthening connections among faculty on campus are among the most valued outcomes repeatedly expressed by participants.

This year we have initiated a pilot program for continuing mentorship after the first year and before tenure. Mid-career faculty members at the Technion are trained as mentors to lead small groups of young faculty, providing personalized mentorship and guidance, while themselves being led by more experienced faculty and making use of their group for consultation. Interestingly, our first impressions of the pilot are that it may be highly beneficial for the mentors themselves as well as the mentees.


### Post-Doctoral Fellows and Visitors

In July 2024, the Senate approved updated regulations for postdoctoral fellows. The Office for Academic Staff prepared these updates to address health insurance, maternity leave, visas for foreign fellows, unpaid leave, and other issues.

Recently, we simplified the procedures for inviting academic visitors at the ranks of visiting lecturer and senior visiting lecturer. This change was called for due to the large number of visitors at the Technion, and it streamlines their recruitment. Under the new procedure, visitors at these ranks can be approved by the EVPAA following departmental support, without requiring Senate approval.

This academic year, we received additional funding to promote internationalization, aimed at bringing foreign postdoctoral fellows. The goal was to provide fellowships that will attract international fellows to the Technion for postdoctoral research. We are pleased to report that we received more qualified international postdoctoral candidates than we could support, allowing us to select the most promising applicants. After the difficulties faced by our international postdoc community last year, this was a very encouraging outcome.

# Executive Vice President for RESEARCH

**Prof. Noam Adir**





Following the October 7 attack on Israel and the ensuing Swords of Iron War, thousands of Technion students, staff and faculty were called up for emergency reserve duty. While almost all foreign students and postdoctoral researchers left Israel at the beginning of the conflict, most returned to continue their studies and research after January 2024. Throughout the crisis, the Technion and the Technion Research & Development Foundation (TRDF) continued to function, moving ahead with almost all of the existing research tasks and initiating new projects. This fortitude of the Technion is a credit to the tenacity of our researchers who, believing in the future potential of the Technion, continued to submit high quality research proposals to funding agencies.

During 2023/24 there was a substantial increase in the number of new research grant submissions. However, there was a 12% decrease in the total amount of new funding. The three operating divisions of the TRDF - the School of Continuing Education (SCE), the Israel Institute for Materials Manufacturing Technologies (IIMMT) and the Technion Technology Transfer (T3)- were all affected by the war; nevertheless, their staff strived to continue to meet the challenges and find new areas of activity. The SCE delayed the commencement of courses. But, when conditions allowed, they restarted teaching and initiated new courses for injured reserve soldiers. The IIMMT was mainly affected by the reserve duty of staff, which delayed new project development. The international financial environment (especially, concerning foreign investments) affected some commercialization, but not patent submissions.

Invested more than

## ILS 86 million

in new faculty research allocations and laboratory renovations in 2023/24, compared to ILS 61 million in 2022/23

## Funded Research

Research contracts signed in 2023/24 by the Research Authority amounted to over $106M. The decrease from the previous year was mostly due to fewer new contracts from the European Union, however 2022-2023 was actually the positive outlier, as compared to earlier years. We are carefully monitoring the possibility of anti-Israeli bias in the judging of research grant submissions. However, currently, there is no evidence that this is a major factor in the decrease.

Technion researchers submitted a record number of 230 proposals to the ISF and won 84 grants (36.5%) in 2023/24, compared to 208 proposal submissions and 72 grants awarded in 2022/23 and 198 proposals and 67 grants in 2021/22. Overall, the success rate of Technion researchers in ISF competitions continues to be higher than the national rate (~35%).

The Technion continued to invest heavily in providing new faculty with optimal research infrastructure. Thus, we invested more than ILS 86M in new faculty research allocations and lab renovations in 2023/24, compared to ILS 61M in 2022/23 and ILS 81M in 2021/22.

### Challenges

The 2023/24 year was more typical for us in EU competitions (as compared to the spectacular year of 2022/23, see Figure 2). We were, indeed, happy to continue EU submissions at significant rates. One consolidator and four starting grants were awarded. Seven out of 16 submissions for the advanced level grants in 2024 are currently in the last stage of review (to be announced in 2025). There is always a worry that the political crises in Israel might pose risks regarding our future standing in the EU; notwithstanding, the number of submissions continued to be high (13 starting, 7 consolidator, and 16 advanced), indicating that our researchers believe that the high quality of their ideas and prior performance will convince the European reviewers to continue to fund research at the Technion.

### A RECORD YEAR FOR RESEARCH FUNDING

Technion researchers submitted to the ISF a record number of

**230 proposals**

The number of grants awarded to Technion researchers by the Israel Science Foundation (ISF) increased from

**72 to 84**

Overall, the success rate of Technion researchers in ISF competitions continues to be higher than the national rate

**~35%**



**Figure 1: New external research contracts (thousands USD)**

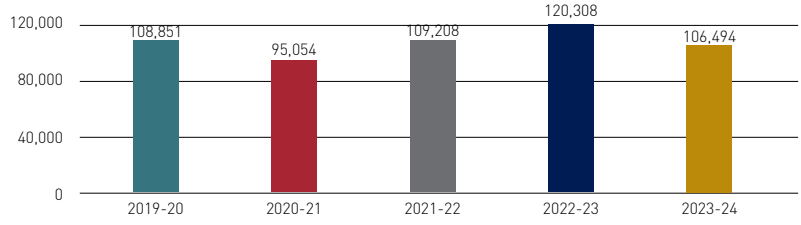
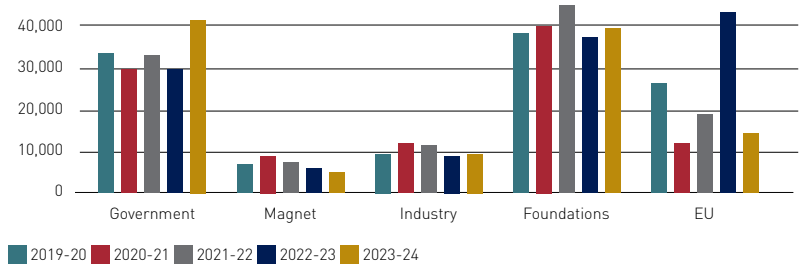



**Figure 2: New external research contracts – breakdown to various sources (thousands USD, "Foundations" include all competitive grant agencies except those of the EU).**



## Philanthropic Research Funding

In addition to the external funding mentioned above, the Technion in 2023/24 received a total of $9.3M in contributions from donors for specific individual researchers or for the creation of research infrastructures – compared to $12.3M in 2022/23 and $18.2M in 2021/22. This does not include large donations that are earmarked for buildings which, of course, house our research labs and enable our researchers to have competitive level facilities.

### Challenges

Donation grants tend to be focused on a specific field (e.g., health care) and are not available to the general population of PIs. To address this, the Technion Research Directory exists - a searchable data base of brief proposals (in layman's terms) submitted by Technion faculty and used to help donors find topics of interest. The EVPR and the VP overseeing resource development work to promote new sources of funding work in concert to develop new sources of funding for all areas and disciplines. Several new projects in the realm of AI, cyber-security and defense-related research are being developed.

## International Collaborations

Expanding scientific collaborations with institutes abroad is an important goal for the Technion. A major instance of such collaboration is our membership in Eurotech – an alliance of six leading European technological schools which, in addition to the Technion, includes: TUM (Munich), EPFL (Lausanne), DTU (Copenhagen), Institute Polytechnique de Paris (previously Ecole Polytechnique and now a joint institute of six technical universities in Paris), and TU/e (Eindhoven). The Eurotech alliance continued with strong Technion activity in 2023/24. The important faculty exchange program was only for travel to Europe, due to travel restrictions to Israel, however it still served as a source of new potential collaborations. These universities have been highly supportive of the Technion over the past year and continue to support us, while some other universities (especially in the USA and Canada) have shown less support due to political pressures.

For the second year in a row, the first place "Futures Prize" given to young researchers was awarded to a Technion Researcher (Dr. Patricia Mora). We are very grateful for their continued support and the realization that a strong Israeli academia is important not only for Israel, but also for Europe. The political situation during 2023 did delay some of our collaborative programs, however in 2024, researchers travelled and participated in workshops within the frameworks of the University of Michigan and Weizmann Institute collaboration as well as that of the Aachen University and the Julich Institute (the Umbrella collaboration). Other collaborations will be reinitiated in 2025. In Israel, the Technion collaborated with the Olympic Committee, leading research that assisted in the spectacular showing of the Israeli team in windsurfing.



Following the groundbreaking Technion-Rambam summit in 2023, both institutions funded direct research collaborations between Technion researchers from multiple disciplines and clinicians from Rambam Hospital with a focus on developing technological solutions for unresolved healthcare issues.

The TRDF recognizes the importance of investments in research infrastructure. We invested ILS 6 million in this fund in 2023/4, as compared to ILS 6 million in 2022/3, ILS 10.5 million in 2021/22, ILS 8 million in 2020/21 and ILS 6 million in 2019/20. This fund was used to serve as matching funds for external grants (such as VATAT, ISF or others), as supporting funds for the pre-clinical authority and for the Technion's Martin and Grace Druan Rosman High Performance Computer Data Center, and to aid certain specific projects of groups of faculty members. This fund is fully financed by our success in commercializing Technion technologies.

Executive Vice President for

# INNOVATION AND INDUSTRY RELATIONS

and Acting Vice President for

# PUBLIC RELATIONS AND RESOURCE DEVELOPMENT



**Prof. Lihi Zelnik-Manor**



2021–2024

The Technion has led in patents granted among Israeli universities in the U.S. for four consecutive years (2021–24)

Industrial contracts worth $9.76M in 2023-24, a 6.5% increase since 2022-23

This academic year we established the Office for Innovation and Industry Relations, which serves as a bridge between industry and academia. Industry collaborations are a cornerstone of our mission, as they provide mutual benefits for both partners. The office promotes strategic partnerships, translational research collaborations, encourages entrepreneurship, connects students with industry, and assists in building a community that integrates academia and industry.

### Strategic Alliances and Research Collaborations

Strategic alliances at the Technion leverage the expertise of multiple investigators over several years to achieve groundbreaking scientific advancements. Designed to be creative, flexible, and effectively managed, these institution-level partnerships bring together teams of the brightest minds to address significant and complex global challenges.

The collaboration between the Technion and PTC is yielding significant outcomes under the leadership of Dr. Ronen Ben Horin, VP of Technology at PTC and Senior Research Fellow at the Stephen B. Klein Faculty of Aerospace Engineering. With a shared emphasis on advanced manufacturing, this partnership is transforming engineering education through the development of innovative courses, an internship program providing hands-on experience for students, exposure of PTC employees to the academic ecosystem and lifelong learning opportunities, and the initiation of joint research projects.

In 2023-2024, we established two new long-term strategic alliances. Our partnership with Boeing focuses on developing innovative sustainable aviation fuel technologies and integrating them into commercially viable solutions to substantially reduce production costs. Meanwhile, our collaboration with IBM aims to advance key areas, such as Natural Language Processing, Multi-cloud Computing, and Accelerated Drug Discovery.

In addition to advancing strategic partnerships, industrial contracts in 2023-2024 totaled $9.76 million, reflecting growth compared to $9.16 million in 2022-2023, though slightly below the $11.8 million level of 2021-2022. Achieving these agreements requires a proactive effort by our staff to engage with potential industry partners. Noteworthy highlights include the ongoing collaboration with Tokushima University sponsored by Nichia Corporation, now entering its third year, as well as newly established research agreements with Apple, Samsung, and Pfizer.

### Entrepreneurship and Commercialization

Commercialization and Intellectual Property efforts are led by T3 (Technion Tech Transfer). In 2023-2024, T3 implemented a quality-of-service approach to enhance support for the Technion community and the broader tech ecosystem. This holistic strategy integrates key functions, including licensing, sponsored research, lab services, investment facilitation, and faculty-oriented policies that promote venture creation and consultation.

The Technion startup ecosystem comprises 136 companies valued at $19.5 billion. Approximately half of these companies operate in life sciences, with 25% focused on sustainability. Nine publicly traded companies collectively exceed $3.4 billion in value, while 13 private companies each boast valuations above $100 million. These companies, which have collectively raised $4.6 billion, employ over 4,300 people—40% of whom are based in Israel—underscoring the Technion's pivotal role in national resilience, economic growth, and technological leadership.

During 2023-2024, T3 facilitated the creation of 10 new spinoffs and made 11 strategic investments in affiliated companies, doubling licensing agreements with industry compared to previous years. These accomplishments generated over ILS 25 million in commercialization proceeds, highlighting the sustained impact of T3's efforts over time. T3 oversees a robust intellectual property portfolio, comprising 731 patent families and achieving 65 patents granted in 2023-2024. For four consecutive years (2021–2024), the Technion has led among Israeli universities in U.S. patents granted. Faculties with the highest commercialization engagement include medicine, electrical and computer engineering, mechanical engineering, civil engineering, biomedical engineering, and computer science, demonstrating a robust, interdisciplinary commercialization culture.

## Vehicles for innovation

**t:start: Bridging Innovation and Entrepreneurship**
The tStart accelerator has proved to be instrumental in transforming Technion's cutting-edge technologies into commercial successes. By combining the entrepreneurial training expertise of tHub with T3's commercialization leadership, tStart empowers faculty members to develop breakthrough technologies into proof-of-concept projects. Among three cohorts, each of 15 faculty-led projects, three spinoffs have already been established, with two additional companies in the process of creation, reflecting a success rate of over 30%.

**t:hub: a Home for Entrepreneurs**
t:hub focuses on fostering entrepreneurship and innovation at the Technion, emphasizing the development of personal and entrepreneurial skills for students, faculty, alumni and staff. Activities include inspirational events, practical training programs, industry connections, support for school projects, and the integration of entrepreneurial skills into academic courses. t:hub serves as a hub for knowledge sharing, skill development, and building an entrepreneurial community.

In 2024, t:hub celebrated its fifth year of operation at the Technion, continuing to lead efforts in promoting entrepreneurship and innovation within the Technion community. Key activities included: the "t:Day" Entrepreneurship Week, offering diverse and inspiring content in areas such as security, sustainability, and education; participation in TechCamp in Greece, bringing together Jewish and Arab youth around climate issues; the 20th anniversary of the BizTec program, featuring the launch of a dedicated podcast and strengthening the alumni network; the SUMBA delegation to New York, providing global connections and unique perspectives; and the t:skills program focusing on advanced entrepreneurial skills for various target audiences.

**Advancing Social Impact through Innovation**
The Technion's partnership with the NGT Healthcare2 incubator exemplifies its commitment to advancing social impact, particularly in Arab society and promoting gender diversity. This collaboration has yielded four spinoffs to date, representing about 25% of new investments in the incubator. By providing opportunities for Arab and female entrepreneurs and employees, the Technion reinforces its dedication to inclusivity and the advancement of underrepresented communities in technology and healthcare.

**The Schulich Leaders Program**
The Schulich Leaders Program at Technion is a prestigious program that annually selects 15 outstanding undergraduate students from across Technion faculties.

The program transforms technically skilled students into entrepreneurial leaders through a comprehensive curriculum that progresses from foundational startup education to hands-on venture development; it combines theoretical knowledge, practical experience, and community building.

In 2024, despite the challenges posed by the Swords of Iron War, the program demonstrated remarkable resilience by strengthening its community bonds and supportive environment. Our graduates and current students are already making notable contributions across the entrepreneurial ecosystem, launching successful startups and leading initiatives both at the Technion and in the broader technology sector – thereby demonstrating the program's success in bridging academic excellence with entrepreneurial innovation.





### Knowledge Transfer by Working Together

We strengthen the ties and promote knowledge transfer between the Technion and industry through two employment tracks. The Research Fellow track brings excellent researchers from industry to join the Technion as part-time research fellows. This is an excellent conduit to enrich the Technion research scene while at the same time injecting knowledge and promoting research in industry. In parallel, Technion faculty members may engage in consulting activities in industry, thus contributing to the dissemination of the accumulated professional knowledge and experience. Over 10% of the Technion faculty members chose to engage in such activities in 2024.

### Industry Affiliates Programs

Many of the Technion faculties host Industry Affiliates Clubs that serve as a platform for creating meaningful and practical connections between academia and industry. The clubs foster fruitful, enriching and innovative cooperation between students, researchers and academic staff and leading companies in the industry, with the aim of accelerating the development of the knowledge, technologies and skills needed to lead the future industry. In 2024 dozens of companies actively participated in Technion open days, hackathons, specialized workshops, guiding student projects, and much more.

# Executive Vice President and DIRECTOR GENERAL

**Dr. Rafi Aviram**





## General

The Swords of Iron War continued throughout the past year and, in September 2024, missiles and rockets reached the city of Haifa. The war affected the entire academic year, which ended only in late August 2024. During the exam period and preparations for the next academic year, tensions on the northern front escalated. Unfortunately, there were insufficient shelters and protected spaces for the entire campus population. Operating the campus in a war zone posed major challenges. Shelters and protected spaces were required. Our ability to work under fire with sirens sounding in the background was impressive. As always, the Technion successfully maintained its Continuity of Functionality (CF). Retaining CF requires daily assessments, constant decision-making, and quick communication across the entire campus. During these events, the Technion management team operated the situation room, which included key academic and administrative officials. Throughout the war, Technion leadership worked closely with the IDF's Home Front Command.

The war challenged all aspects of life at the Technion. In accordance with Home Front Command instructions, we initially enabled many employees to work remotely. As the war dragged on, by the start of the first semester in January 2024, employees returned to work on campus. Regular activities were reinstated, although we continued to monitor the nearby northern front. To improve the Technion's wartime preparedness, we set up a situation room, opened all bomb shelters, enacted full-scale civil defense drills and other wartime-related exercises for

our management team, acquired safety equipment and communication devices, and initiated many other measures (described in the sections below). During the months of intense exchanges on the northern front, 16 mobile shelters were purchased and deployed on campus. The windows of the main academic teaching building were reinforced with steel panels to allow for studying during that phase of the war.

Attention was also given to improving long-term infrastructure, which will benefit the campus over the next decade. For example, the completion of the second water reservoir enhances the campus's independence. Additionally, the development of the third high-voltage line reduces the risk of extended blackouts. Investments were made to install water meters and expand the sewage system. Simultaneously, the Carasso FoodTech Innovation Center was completed, along with the Chemical Waste Treatment Warehouse and the rehabilitation of Kislak Park. Two major capital projects are currently under construction: the Rosman High-Performance Computer Data Center and the Shillman Family Computer Science Building at the Taub Faculty of Computer Science. Five additional capital projects are in the detailed design and construction permit stages.

Over the past year, the Administrative Management Forum (AMF), led by the Executive Vice President and Director General, met frequently to discuss major activities on campus. In its annual meeting, the AMF launched a series of new administrative projects. Among these were: the Reducing Bureaucracy Project, which was announced to the entire campus in December 2023; the T-Buddy initiative, which was launched in February 2024; and the Administrative Experts Teams plan, which began in January 2024. Many other projects are underway, all guided and motivated by the senior administrative leadership of the Technion, with financial support provided when required. These projects involve administrative staff members at all levels on campus and have been well received by them.

Despite all these challenges, our strong campus community, combined with support from our friends worldwide, has enabled the Technion to continue focusing on its primary goals of education and research. The administration's high motivation, morale, and the quality of our team have once again proved our ability to face unimaginable challenges. One of our main goals in the coming years will be to continue promoting the development and preparedness of our administrative staff.

## The Operations Division

The Technion's Operations and Infrastructure Division manages essential infrastructure tasks for the institution. It includes four main branches: Security and Emergency Unit, Construction Unit, Safety Unit, and Administration and Logistics Unit. In 2024, the division faced significant challenges due to the war, which reshaped many operations. Despite this, the division successfully adapted its resources to address emergency needs while continuing its major infrastructure projects.

### Security and Emergency Unit

The Security and Emergency Unit was pivotal in maintaining the Technion's preparedness amid the Swords of Iron War. Key actions included:

- Establishing shelters and protected spaces to ensure campus safety during emergencies.
- Procuring communication tools like satellite phones and walkie-talkies to ensure contact during network failures.
- Completing a vehicle evacuation plan for the 5,500 cars parked on campus.
- Enhancing emergency equipment.
- Hosting battalions of the Home Front Command.
- Implementing firearm safety regulations due to the increased presence of short and long firearms on campus.

Other ongoing tasks included a new security contract worth ILS 100 million, upgrading the monitoring system, and installing security cameras across the campus.

### Construction Unit

The Construction Unit faced setbacks due to the war, including delays in the academic year and impacts on construction schedules. Despite challenges, several projects were completed, among them: The Carasso FoodTech Innovation Center and infrastructure upgrades – such as a new water reservoir, a chemical waste treatment warehouse, and the rehabilitation of Kislak Park.

Ongoing projects include:

- The Rosman High-Performance Computer Data Center (completion expected in 2025).
- Building 305 for the Stephen B. Klein Faculty of Aerospace Engineering.
- The Shillman Family Computer Science Building in the Taub Faculty of Computer Science.

In the permit process are:
- The Life Sciences building.
- The Resnick Sustainability Center for Catalysis.
- The Grand Aerospace Building.

In the planning stage:
- The D. Dan and Betty Kahn Human Health Building.
- Housing for the Bruce and Ruth Rappaport Cancer Research Center.

### Safety Unit

The Safety Unit conducted extensive risk assessments, including:
- 123 assessments in research labs, 17 in teaching labs and 21 in infrastructure centers.
- Transverse risk assessments for asbestos, radon, and corrosion.
- Nine entire building safety surveys and the commissioning of 21 new PI labs. The unit's ILS 6 million annual budget funded critical safety projects, such as: asbestos evacuation; upgrading safety systems, such as fire doors; smoke release systems; and compressed gas systems etc.
- A new chemical waste facility custom-designed for the Technion was completed, enhancing safety and cost-effectiveness in waste management.

Work-related accidents decreased by 48% in 2023-24, totaling 42 incidents. The number of trainees in safety programs grew by 14%. Additionally, there was a 22% rise in work permits issued for construction, leading to fewer safety violations.

### Administration and Logistics Unit

The Administration and Logistics Unit faced challenges related to external contractor and business services during the war. Some businesses experienced closures and financial difficulties, but the unit helped by adjusting payments and operating hours to support campus enterprises. Cleaning services were also disrupted, affecting about 300 workers. Nevertheless, the unit managed to ensure continued services and a balanced budget.

The unit also focused on renewing the Technion's property insurance policies. This process involved addressing complex requirements imposed by insurers and took longer than usual. Over the past two years, the unit worked to resolve deficiencies highlighted in an internal audit from February 2022. A follow-up audit in 2023-24 confirmed significant improvements in insurance management.

The Organization and Methods Department also contributed to operational efficiency by working on knowledge management projects and creating a new website for Technion procedures.

The Administration and Logistics Unit initiated a phased project to reduce internal printing services, aiming for completion by 2026.

### Sustainability and Environmental Initiatives

The Technion pursued sustainability initiatives, led by a comprehensive "Nature on Campus" program. This included awareness-raising efforts and such as the "Connecting Trails" initiative, which offers digitally guided hiking trails on campus. The Sustainability Center continued to promote sustainability through conferences, educational videos, and lectures.

### Computer and Information Technology Division

In order to support the Technion's challenges and technological goals, the Computing and Information Systems Division was upgraded over the past year. The challenge of information security has become one of the important focuses of the division following the cyber-attack in February 2023. Since the event, the division has implemented tools and protection technologies to secure the Technion's communications network, to establish a secure remote connection to the Technion core systems, to monitor servers and workstations and to continuously control and handle anomalous events. The Technion's backup system was upgraded and the DR site was expanded to all core systems.

The Computing Division emphasizes tightening the work interface and cooperation with the IT teams in the faculties and units in the joint examination of new technologies, in decision-making processes and emphasizing the implementation of information security tools throughout the Technion, and in providing expanded service to all Technion units.

This year, the Student Life Cycle Management (SLCM) project, the Technion's new SAP-based student information system, has been completed after seven years of developing, deploying, integrating, and activating all the multiple modules of the system. Among them: registration and admission, semester planning, student status management, thesis management, grade reporting, scholarships, dormitories, and more.

The VOIP project is another major project which has reached its final stage – all the Technion's units telephone extensions have been transferred to the new digital telephone switchboard and the analog telephone switchboard will soon be shut down.

## Human Resources Division

In 2024, the Human Resources Division operated under challenging wartime conditions, with a significant number of faculty members and their spouses serving reserve duty. Due to the war, campus activities transitioned to remote work in line with Home Front Command guidelines, impacting HR processes. The primary focus was to support the complex reality by ensuring optimal support for the technical workforce while also continuing human capital retention, job placements, staff development, and improving work processes.

In 2024, the Human Resources Division underwent a leadership change with a new vice president taking office. HR adjusted its approach to align with the changing job market, implementing flexible processes in areas like work-life balance, recruitment, and more. The remote work pilot continued throughout the year, demonstrating its effectiveness in maintaining operations during emergency conditions.

### Human Capital Development and Retention

New initiatives and projects were led by management groups across the Technion in areas such as reducing organizational bureaucracy and knowledge retention. Additionally, support for new managers continued, and the T-Buddy program was launched to mentor new employees with the help of experienced administrative staff, aiming to strengthen their sense of belonging and success. The Technion also offered a varied training and learning program focused on group learning and interunit collaboration.

### Recruitment and Employee Integration

A large-scale recruitment drive took place, bringing in 207 new administrative staff members while improving recruitment processes, shortening hiring times, and digitizing procedures. Additionally, about 2,000 temporary employees, including students, volunteers, and instructors, were hired.

### Innovation and Process Improvement

Technological upgrades included implementing tools like BI and SAP to support decision-making, improve grant calculations, and digitize the onboarding process. These improvements streamlined administrative tasks – such as transitioning to digital forms for tenure and performance evaluations.

### Welfare and Employee Experience

Despite the war, HR worked to preserve employee welfare through initiatives such as the establishment of a mutual aid center with 525 volunteers, as well as support for reserve soldiers and their families. Additionally, efforts to foster staff connectivity included gifts for recruits, birthday gifts, first-grade and Bar/Bat Mitzvah events, International Women's Day celebrations, a Hanukkah party for retirees, a retirement program, and a Technion-wide Hanukkah event.

The Technion community actively participated in Good Deeds Week, organizing 63 different activities.

## Finance Division

In fiscal year 2024, Israel faced a growing budget deficit driven by lower-than-expected economic growth and unforeseen costs due to the ongoing war. The government plans to allocate additional resources to assist those affected by the war; in particular, individuals evacuated from areas near Gaza and the Lebanon border.

Israel's economy showed signs of recovery in 2024 after a sharp GDP decline of 20.7% in the final quarter of 2023. In the first quarter of 2024, the economy rebounded with 3.35% growth compared to the previous quarter. Overall, GDP was expected to grow by about 2.0% in 2024 and 5.0% in 2025, according to the Bank of Israel's projections.

The 2025 state budget is expected to total around ILS 607.4 billion, with an additional ILS 37 billion already approved for adjustments. This budget aims to stabilize the economy amidst the ongoing conflicts.

These macroeconomic challenges have a significant impact on the Technion's financial activities. The key priorities for the coming years include recruiting and integrating new faculty, improving teaching quality, and refurbishing physical facilities.

# Vice President for DIVERSITY AND INCLUSION

**Prof. Adi Salzberg**



The Technion Office for Diversity and Inclusion seeks to promote human diversity and foster fair gender representation at every level of the institution while safeguarding quality and egalitarian academic standards. Our task, however, goes beyond mere numbers. It is essential to create an environment where everyone feels at home. The horrific events of October 7, 2023, and the subsequent tensions pose a significant challenge to maintaining a harmonious academic environment in the Technion community, a microcosm of Israeli society.

In the aftermath, we faced upheaval, radicalization, and increased fear and hostility between groups. This situation necessitated taking immediate actions to prepare the campus for the upcoming academic year under wartime conditions, which ultimately contributed to a successful academic year.

This crisis also offered an opportunity. The acute need for training and guidance on how to properly deal with the period's challenges raised awareness of diversity and inclusion issues and strengthened the understanding that we must continuously care for the resilience of the Technion community. Fostering a sense of belonging, ensuring all voices are heard, and improving communication between groups are essential for shared living on campus.

Over the past year, one of our key focuses has been to nurture shared life and integrate diversity and inclusion practices throughout the institution. Given the Technion's decentralized structure, we trained groups of students and faculty members from different faculties and units as "change agents" to promote these values.

**The Shared Living Ambassadors Program for Students** was launched to foster multicultural leadership among Jewish and Arab students at the Technion. Its goals were to develop a student leadership group that operates in a multicultural campus environment and to provide practical tools for advancing actions that support and impact shared living in a multicultural space.

The 20 Jewish and Arab students in the first cohort focused on the conflict from both personal and group perspectives. The program's training culminated in a desire to implement campus initiatives promoting reconciliation.

The program was carried out in collaboration with the Counseling and Support Center in the Office of the Dean of Students, the Rothschild Ambassadors program and the "Mabat" organization, with generous support from the UJA Federation.

**The Diversity and Inclusion Ambassadors Program for Academic and Administrative Staff** aimed to train academic and administrative staff members in diversity and inclusion issues. The program addressed biases, diverse identities, and group relations, empowering staff to lead projects promoting diversity within their units. The training was led by Dr. Soli Vered from the aChord organization, with the support of the Edmond de Rothschild Foundation. The goal of the training was to support proactive, targeted activities to advance diversity and inclusion issues within faculties and various units.

Prof. Firas Mawase from the Faculty of Biomedical Engineering, who participated in the training, said:
**"Out of a desire to contribute to change, I decided to join the Diversity and Inclusion Ambassadors Initiative at the Technion. The workshop was exactly what I was looking for! Not only because of the rich content, which partly exposed the complex reality we are still in, but mainly because of the people I met there - people who share the same values and vision as me: open and respectful dialogue without feelings of superiority or inferiority from any side is the only way to lead to a diverse, equal, just society that respects everyone alike."**

### Additional Activities and Programs

In parallel to our efforts to nurture shared life on campus, we continued to carry out activities aimed at promoting appropriate gender representation and to develop support programs for students from underrepresented groups.

In the 2024 academic year, we launched the Ma'arag (fabric) program at the Technion, led by Aluma Organization. The Ma'arag program provides essential support to students leaving the Haredi (ultra-Orthodox) community. These students face unique challenges including a lack of family and community support, and this program provides them with essential guidance and resources.

The Technion continued with activities aimed at promoting fair gender representation, such as the Young Female Leaders in Science workshop, a program which provides PhD students with the necessary tools to build successful scientific careers.

Additionally, we successfully completed a project that involved the construction and renovation of 18 nursing rooms on campus. This initiative guarantees that every student who returns to the Technion after maternity leave will have a close, accessible, and equipped room where she can nurse or pump milk during the first few months after childbirth. The project drew a great many positive and grateful responses from female students.

In conclusion, the Technion's commitment to fostering an inclusive, diverse, and supportive environment continues to grow, ensuring that all members of our community feel valued and empowered to thrive.

# GIFTS
## 2023-2024

Elinor and Norman **Belfer** and Family Meeting Room/Bomb Shelter on the First Floor in the New Faculty of Aerospace Building

**Breakthrough Foundation** for Technion's Specific Activities and Projects

Andrei **Broder** and Jaffa **Dadoun** for the Aliza Dadoun Memorial Endowment Fund

**Dorot** Foundation Chaired by Technion Alumnus Sigal First for Research in the Field of Catalysis

Toby **Feldberg** and Family in Memory of Saul Feldberg z"l, Toronto, Canada, for the Emergency Student and Support Fund

Irving M. and Sylvia **Footlik** Foundation for the Emergency Student and Security Support Fund

Dr. Dale **Frank** Scientific Research Fund

Lisa **Ginsburgh** and Family Apartment in Memory of Jim Ginsburgh in the Chicago Chapter Wing of the Zielony Graduate Student Village

**Goldhaber** Family Apartment, dedicated in memory of Professor Judah Landau, Faculty of Physics

Estate of Stephen **Grand** for Seed Grants for Grand Technion Energy Program (GTEP)

Estate of Stephen **Grand** to Supplement the Grand Water Research Institute Operating Budget (GWRI)

Estate of Stephen **Grand** for Catalysis Center Infrastructure Equipment

Estate of Stephen **Grand** for Sustainable Protein Infrastructure Equipment

Nancy and Stephen **Grand** Fund for the Stephen B. Klein Faculty of Aerospace Engineering

The **Guzik** Foundation for the Bruce and Ruth Rappaport Cancer Research Center in the D. Dan and Betty Kahn Human Health Building

Marc **Hamon** for the Henry Hamon Anières House

Marvin V. **Harris** and Family Laboratory of Genome Organization and Gene Regulation

Dr. Lillian **Harvey Banchik** for the Harvey Prize Endowment 2024

Julia **Harvey Marquez** for the Harvey Prize Endowment 2024

Ruth **Harvey Zommick** Revocable Trust for the Reservist Fund 2024

Ruth **Harvey Zommick** for the Harvey Prize Endowment 2024

The Esther and Herbert **Hecht** Sustainable Protein Research Center

Leo **Henkin** Endowed Chair in Data and Decision Sciences

Dr. Thea **Henkin-Behrendt** Endowed Chair in Medicine

**Keren Or Caesarea** and Meir Panim for The Emergency Fund - Technological Solutions

Dr. Wolf **Lebovic** and Harry **Lebovic** for the Emergency Student and Security Support Fund

Joseph **Lebovic** z"l for General Support

**Litowitz** Family Dorm in the Undergraduate Student Village

Trudy Mandel **Louis** Charitable Trust for the Center for High-Speed Flight

David **Magerman** for the Program to Integrate English-Speaking International Students into Undergraduate Studies

**NVIDIA** for VLSI Lab at Andrew and Erna Viterbi Faculty of Electrical and Computer Engineering

**PBJ Memorial Fund for Creative Gifting** to the Reservist Fund in Celebration of Roma Broida Wittcoff's 100th Birthday, February 2024

**Pepose** Family Chair in Vision Science Engineering

Bella and Dr. Chaim **Rennert** Estate for Research Fund

Joshua and Julia **Ruch** for the Reservist Fund 2024

Edwin and Diana **Ruthman** Fund for Applied Research with Commercial Potential

**Sacks** Family Foundation for Support of Students in the IDF Reserves

William H. **Saltzman** for the Innovative Research Ideas Startup (IRIS) Fund for the Development of New Catalysts

**Secunda** Family Foundation for the Reservist Fund 2024

The **Shillman** Family Computer Science Building

The **Shillman** Prize

Robert and Mao **Shillman** for the Reservist Fund 2024

Sigmund and Linda **Soudack** for the Renovation of Ulam 6 in the Wolfson Faculty of Chemical Engineering

Cheryl **Spencer** Memorial Foundation Courses in Emergency Care

Leesa **Steinberg** for Tissue Engineering of Lymphatic Vessels for Lymphedema Treatment

**Technion UK** for the Reservist Fund UK

**Technion UK** for the Iron Swords Emergency Fund

Evelyn **Tolchinsky** Faculty Meeting Room in the Faculty of Architecture and Town Planning

Mr. Robert **Weissman** for the Fund for the New Computer Science Building

Roma **Wittcoff** for the the Dan Broida Endowed Chair

**Wolfson** Foundation and **Wolfson** Family Charitable Trust for Equipment for Research in Structural Characterisation of Materials

**Wolfson** Foundation and **Wolfson** Family Charitable Trust for Equipment for Research in Molecular Engineering

## FELLOWSHIPS 2023-2024

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Wolfson Foundation, London, England
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Estate of Aliza Yemini, Herzliya, Israel

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Irwin Jacobs, 2013
Martin Kellner, 2005
Justice Moshe Landau, 1996
Peter Munk, 2013
Samuel Neaman, 1997
Bruce Rappaport, 1998
Haim Rubin, 1997
Norman Seiden, 2001
Leonard Sherman, 2005
Ben Sosewitz, 2008
Henry Taub, 1998
Dr. Andrew J. Viterbi, 2015
Lewis Weston, 2008
Yehuda Zisapel, 2022
Zohar Zisapel, 2022
Mortimer B. Zuckerman, 2016

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Sir Patrick Abercrombie, 1953
Prof. Anatole de Abragam, 1986
Joseph Ackerman, 2009
Frederick R. Adler, 1998
Prof. Yakir Aharonov, 1992
Prof. Michael Aizenman, 2018
Elie Alalouf, 2010
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Prof. Bernard Amadei, 2017
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Efraim R. Arazi, 1985
MK Moshe Arens, 1986
Ing. Paul S. Arieli (Goldschmidt), 2003
Ted Arison, 1998
Prof. Alain Aspect, 2011
David J. Azrieli, 1985

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Simha Blass, 1958
Arthur Blok, 1972
Melvyn H. Bloom, 2013
Michael R. Bloomberg, 2016
Bernard M. Bloomfield, 1978
Neri J. Bloomfield, 1990
Erik Blumenfeld, 1992
Prof. David Bohm, 1992
Dr. Niels Bohr, 1958
Dr. Zeev Bonen, 2004
Dr. Carl de Boor, 2002
Dr. Albert Bourla, 2022
Prof. Haim Brezis, 1998
Dr. Andrei Zary Broder, 2014
Frances Brody, 2002
Lucien Bronicki, 2007
Yehudit Bronicki, 2007
Prof. Bernard Budiansky, 1995
Marshall Butler, 2001

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Dr. Santiago Calatrava, 2004
Prof. Alberto P. Calderon, 1989
Arie Carasso, 1988
Prof. Srulek Cederbaum, 2012
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Stanley Chais, 2008
Prof. Herman Chernoff, 1984
Prof. Alexandre Joel Chorin, 2003
Winston S. Churchill, 1997
Dr. Lillian Chutick, 1997
Dr. Joseph Ciechanover, 2017
Prof. Jacob Willem Cohen,1988
Prof. Morris Cohen, 1979
Prof. Karl Taylor Compton, 1954
Sydney C. Cooper, 1992
Elizabeth Corob, 1993
Sidney Corob, 1986
Prof. Frank A. Cotton, 1983
Edith Cresson, 2011
Lester Crown, 1996

### D

P. F. Danel, 1952
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Robert A. Davidow, 2007
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Dr. Igor Dawid, 2009
Prof. Arnold L. Demain, 2000
Prof. Alan M. Dershowitz, 2014
Bern Dibner, 1976
Prof. François Diederich, 2012
Prof. David L. Donoho, 2017
Gen. Yaakov Dori, 1967
Prof. Israel Dostrovsky, 1994
Max Dresher, 1991
Prof. Mildred S. Dresselhaus, 1994
Prof. Daniel Drucker, 1983
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Dr. Albert Einstein, 1953
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Col. Jehiel R. Elyachar, 1979
J. Steven Emerson, 2013
Dr. Joseph N. Epel, 1994
Carol B. Epstein, 2019
Dr. Moshe Epstein, 2011
Prof. Paul Erdos, 1983

## F

Yekutiel Federmann, 1989
Israel Feldman, 2003
Dr. Stuart I. Feldman, 2019
Harry F. Fischbach, 1971
Edith Fischer, 2005
Max M. Fisher, 1991
Dr. F. Julius Fohs, 1957
Dr. William Fondiller, 1949
R. J. Forbes, 1953
Prof. Dr. Alfred Forchel, 2019
Alan Forman, 2011
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Reinhard Frank, 2009
Thomas L. Friedman, 2008
Dr. Dov Frohman, 1995
Prof. Gilbert F. Froment, 1984

## G

Uzia Galil, 1977
Dr. Jacob M. Geist, 1987
Mark Gelfand, 2011
Raya Gensler, 2002
Arthur Gilbert, 1999
Emmanuel Gill, 1994
Benno Gitter, 1991
Prof. Israel Gohberg, 2008
Alexander Goldberg, 1975
Edward R. Goldberg, 1990
Dr. Emanuel Goldberg, 1957
Gary Goldberg, 2012
Joan Goldberg Arbuse, 1987
Prof. Jose Goldemberg, 1991
Prof. Dr. Andrew and Aviva Goldenberg, 2018
Prof. Richard Goldstein, 1994
Dr. Sydney Goldstein, 1969
Prof. Solomon W. Golomb, 2011
Prof. Graham C. Goodwin, 2006
Dr. Bernard Gordon, 2005
Stephen Grand, 2010
Prof. Harry B. Gray, 2022
Doreen Brown Green, 2014
David Grossman, 2024
Joseph Gruss, 1989
Joseph Gurwin, 2004
Dr. Nahum Guzik, 2018

## H

Prof. Peter Haasen, 1993
Homer Harvey, 1989
Dr. George H. Heilmeier, 1997
Michael Heller, 2010
President Chaim Herzog, 1987
Sandy Hittman, 2015
Dr. Christian Hodler, 1998
Dr. Nicholas J. Hoff, 1980
Dr. Alan Hoffman, 1986
Prof. Roald Hoffmann, 1996
Prof. Robert Hofstadter, 1985
Gen. (Res.) Amos Horev, 1984
Dr. F. Houphouet-Biogny, 1962
Eli Hurwitz, 1990

## I

Isin Ivanier, 1981
Gen. (Res.) David Ivry, 1996

## J

Lawrence S. Jackier, 2004
Dr. Irwin M. Jacobs, 2000
Ludwig Jesselson, 1988
HE David Johnston, 2016
Prof. Joshua Jortner, 2005
Prof. Michel Jouvet, 1991

## K

D. Dan Kahn, 2011
Prof. Thomas Kailath, 2011
Dean Kamen, 2015
Sanford Kaplan, 1995
Dr. Shlomo Kaplansky, 1950
Dani Karavan, 2009
Prof. Marcus Karel, 1991
Prof. Samuel Karlin, 1985
Prof. Theodore von Karman, 1951
Prof. Richard M. Karp, 1989
Prof. Alfred Kastler, 1983
Prof. Ephraim Katzir, 1983
Martin Kellner, 1985
Michael Kennedy Leigh, 1983
Moshe Keret, 2000
Stephen B. Klein, 2023
Dr. Laurence R. Klein, 1982
Philip E. Klein, 2004
Prof. Leonard Kleinrock, 2010
Prof. Sir Aaron Klug, F.R.S., 1989
Teddy Kollek, 1994
Prof. Karl Ludwig Kompa, 1995
Sidney Konigsberg, 2002
Yaacov Kotlicki, 2011
Theodore H. Krengel, 2001

## L

Benny Landa, 2004
Justice Moshe Landau, 1980
Prof. Rolf W. Landauer, 1991
Prof. Robert S. Langer, 1997
Dr. Stephen A. Laser, 2009
David Laskov, 1975
Frank R. Lautenberg, 1984
Dov Lautman, 1995
Dr. Jean-Yves Le Gall, 2018
Prof. Jean Marie Lehn, 2009
François Leotard, 1992
Dr. Richard A. Lerner, 2001
William Lester, 1999
Gustave Leven, 1991
Hubert Leven, 2005
Prof. Michael Levitt, 2015

Kenneth Levy, 2022
Prof. Jacques Lewiner, 2016
Emanuel Zvi Liban, 2017
Robert L'Hermite, 1960
Israel Libertovsky, 1987
Arch. Daniel Libeskind, 2008
Eric Lidow, 1984
Prof. Anders Lindquist, 2010
Sir Ben Lockspeiser, 1952
Lorry I. Lokey, 2007
Dr. Walter C. Lowdermilk, 1952
Prof. Robert E. Lucas, Jr., 1996

## M

Ruth and Robert Magid, 2022
Prof. Thomas L. Magnanti, 2007
Alexandre Mallat, 2002
Prof. Stéphane Mallat, 2019
Alfred E. Mann, 2005
Galia Maor, 2010
Harold Marcus, 2012
Inge Marcus, 2018
Prof. Rudolph A. Marcus,1998
Dr. Herman F. Mark, 1975
Prof. Krzysztof Matyjaszewski, 2015
Dr. Dan Maydan, 2001
Raphael Mehoudar, 2014
Zubin Mehta, 2013
Etia Meilichson, 1997
Chancellor Dr. Angela Merkel, 2021
Prof. Angelo Miele, 1992
Dr. Hyman Mitchner, 2010
Gen (Res.) Amram Mitzna, 2010
Dr. A. I. (Ed) Mlavsky, 1994
Dov Moran, 2016
Martin Paul Moshal, 2017
Prof. Klaus A. Müllen, 2018
Prof. Benno Müller-Hill, 2000
Peter Munk, 2001
Dr. J. Fraser Mustard, 1995

## N

Avinoam Naor (Aharonovich), 2008
Ruth Leventhal Nathanson, 2010
Samuel Neaman, 1982
Dr. Yuval Ne'eman, 1966
Shlomo Nehama, 2006
Robert Neter, 1999
Joseph Neubauer, 2017
Dr. Caroll V. Newsom, 1958
Itzhak Nissan, 2012
M. Novomeysky, 1957

## O

Harry Oppenheimer, 1989
Dr. Eli Opper, 2012
Prof. Simon Ostrach, 1986

## P

Prof. Amnon Pazy, 2006
Lois Peltz, 2006
Dr. Arno A. Penzias, 1986
Shimon Peres MK, 1985
David Perlmutter, 2023
Prof. Lev Pitaevskii, 2010
David Polak, 2009
Israel Pollack, 1993
Rachel Pollak, 2005
Manes Pratt, 1968
Dan Propper, 1999

## R

Dr. I. I. Rabi, 1963
Yitzhak Rabin MK, 1990
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Irith Rappaport, 2022
Ruth Rappaport, 2014
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Barrie Rose, 2000 Daniel Rose, 2013
David Rose, 1961
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Michael Schor, 1985
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Norman Seiden, 1986
J. R. Sensibar, 1963
Dr. Donna Shalala, 1994
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Leonard H. Sherman, 1994
Dr. Robert J. Shillman, 2018
Stanley Shirvan, 2006
Avraham B. Shochat, 2002
George P. Shultz, 1992
Gil Shwed, 2004
Ramie Silbert, 1996
Julius Silver, 1971
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Haim Slavin, 1958
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Jonathan Sohnis, 2008
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Dr. Philip Sporn, 1960
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Harry J. Stern, 2000
Prof. Eli Sternberg, 1984
Ing. Isaac (Eddie) Streifler Shavit, 2003
Prof. Werner Stumm, 1989
Prof. Nam Pyo Suh, 2007
Dr. Avraham Suhami, 1981
Albert Sweet, 2014
Gerard Swope, 1957
Joseph Szydlowski, 1984

## T

Joseph Tanenbaum, 2007
Henry Taub, 1983
Marilyn Taub, 2014
PM Margaret Thatcher, 1989
Prof. Edwin L. Thomas, 2016
Dr. Lester C. Thurow, 2001
Laurence A. Tisch, 1989
Gen. Dan Tolkowsky, 1982
Sam B. Topf, 1992
Prof. Barry M. Trost, 1997
Abraham Tulin, 1957

## U

Jacob W. Ullmann, 1980
Dr. Harold C. Urey, 1962
Prof. Heinrich Peter Klaus Ursprung, 1996

## V

Dr. Yossi Vardi, 2009
Dr. Andrew J. Viterbi, 2000

## W

Dr. Selman A. Waksman, 1966
Eyal Waldman, 2016
Prof. Arieh Warshel, 2015
Sanford I. Weill, 2015
Prof. Felix J. Weinberg, 1990
Aharon Weiner, 1971
Nina Avidar Weiner, 2019
Prof. Victor F. Weisskopf, 1989
Prof. Charles Weissmann, 2015
Dr. Chaim Weizmann, 1952
Eitan Wertheimer, 2011
Stef Wertheimer, 1992
Lewis Weston, 1996
Prof. Elie Wiesel, 2005
Prof. Avi Wigderson, 2023
Dr. Eugene Paul Wigner, 1971
Dr. Shmuel Winograd, 1992
Ben Winters, 1993
Dr. J. Wolfowitz, 1972
Lord Leonard Wolfson, 1995
Prof. Chi-Huey Wong, 2007
Dr. Robert B. Woodward, 1966
J. W. Wunsch, 1955

## Y

Prof. Rosalyn Sussman Yalow, 1989
Moshe Yanai, 2012
Elisha Yanay, 2013
Prof. Ada Yonath, 2024

## Z

Prof. Daniel Zajfman, 2022
Dr. Felix Zandman, 1997
Prof. Anton Zeilinger, 2022
Prof. Bruno Zevi, 1990
Stanley Zielony, 2003
Zvi Zilker, 2000
Yehuda Zisapel, 2001
Zohar Zisapel, 2001

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Giora Ackerstein, 2010
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Dr. Kenneth Alberman, 1995
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Carl Alpert, 1988
Yosef Ami, 1990
Sarah Arenson, 2019
Helen Asher, 1991
Avraham Ashkenazi, 2023
Victor Asser, 2009
Drora Avissar, 2012

## B

Alfred J. Bär, 1995
Moshe Bar-Ilan, 1995
Zahava Bar-Nir, 2004
Itzhak Bar-Nov, 1992
Adina Bar Shalom, 2024
Sarah Baruchin, 1986
Albert Ben-David, 1990
Brig. Gen. (Res.) Yitzhak Ben Dov, 2003
Jack Bellock, 2000
Norman Belmonte, 1997
Louis Benjamin, 1986
Miriam Benjamin, 1986
Evelyn Berger, 2001
Ilene and Steve Berger, 2017
Stephen Berger, 1982
Sondra Berk, 2014
Samuel M. Bernstein, 1975
S. J. Birn, 1965
Franklin G. Bishop, 1991
Scott Black, 1999
Helene Blanc, 1991
Morley Blankstein, 1981
Ela Rousso de Blasbalg, 1993
Dahlia Blech, 2004
Arthur Blok, 1954
Melvyn H. Bloom, 1993

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Harry J. F. Bloomfield, K.C., 2015
Ilse Blumenfeld, 2009
Milford Bohm, 1999
Rebecca Boukhris, 2015
David Brecher, 2004
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Melanie S. Broida, 2023
Gen. (Res.) Shlomo Burstein-Inbar, 2008
Marshall Butler, 1994

## C

Joan Callner Miller, 1984
Dr. Coleman Caplovitz, 2007
Arie Carasso, 1976
Benjamin Carasso, 2004
Macabi Carasso, 2007
Yoel Carasso, 2007
Stanley Chais, 2002
Leona Chanin, 2004
Paul Chanin, 1993
Paul Charney, 2024
Jack Chisvin, 1983
Frances Cohen, 1984
Simcha Cohen-Stern, 1999
Hans Cohn, 2003
Reginald Coleman-Cohen, 1983
Alexander Coler, 1988
Maurice Commanday, 1986
Sydney Cooper, 1988
Eedis Cooperband, 1981
Jeffery Cosiol, 2012

## D

Jeannette Dankner, 2005
Murray Dalfen, 2023
Robert Davidow, 1997
Oscar Davis, 2011
Robert Davis, 2024
Albert Deloro, 2014
André Deloro, 2009
Cathy & James Deutchman, 2023
Brent Dibner, 2013
David Dibner, 2001
Prof. Dr. Ing. Ulrich Draugelates, 2002
Max Dresher, 1985
Jerome Drexler, 1999
Melvin Dubin, 1991
Zvi Dvoresky, 1993
Dr. Isaac Dvoretzky, 2006

## E

Louis Edelstein, 1995
Dr. George Elbaum, 2016
Anna Tulin Elyachar, 1983
Col. Jehiel R. Elyachar, 1953
Rita Emerson, 2016
J. Steven Emerson, 2008
Dr. Joseph N. Epel, 1987
Carol B. Epstein, 2009
Alex J. Etkin, 1995
Aaron Etra, 2004
Joseph K. Even, 1991

## F

Yekutiel Federmann, 1978
Israel Feldman, 1992
Rod Feldman, 2014
Irwin Field, 2022
Elias Fife, 1955**
Ruben Finkelstein, 1985
Fausta Finzi Carli, 2011
Edith Fischer, 2001
Ruth Elaine Flinkman-Marandy, 2012
Benjamin Fohrman, 1991
Rudolph Forchheimer, 1997
Alan Forman, 2005
Reinhard Frank, 2004
Benjamin Free, 1991
Joseph Freed, 1998
David Friedman, 2001
Jerry Friedman, 1993
Michael Frieze, 2000
Michael Fuerst, 2010
Dr. Hiroshi Fujiwara, 2018
Samuel Fryer, 1959

## G

Mark Gaines, 2017
Dr. Terry Gardner, 2017
Mark Gelfand, 2008
Samuel Geltman, 1998
Raya Gensler, 1994
Moshe Bernard Gitter, 1979
Dr. Amit Goffer, 2015
Aviva Goldberg, 2010
Gary Goldberg, 2005
Nathan Goldberg, 1977
Joan Goldberg Arbuse, 1982
Nathan Max Goldman, 1992
Horace W. Goldsmith, 1975
Ing. Aharon Goldstein, 1971
Salomon Gottesfeld, 1985
Ben-Ami Gov, 2010
Salman Grand, 1986
Doreen Green, 2000
Irving Greenberg, 1990
Marguerite Greenberg, 2000
Coleman Kenneth Greidinger, 2006
Chaim M. Gringlas, 1989
Irwin L. Gross, 2007
Josef Gruenblat, 1979
Joseph Gurwin, 1996
Dipl. Ing. Helmut Gutmann, 1994
Aaron Gutwirth, 1978

## H

Gal Haber, 2022
Uzi Halevy, 2014
Dr. Harry Handelsman, 2011
Tamara Handelsman, 1998
Robert Hanisee, 2016
David Hankin, 2023
Burt I. Harris, 1987
Louis Harris, 1988
Lawrence Harvey, 1977
Leo M. Harvey, 1972
Alexander Hassan, 1975
Max Hecker, 1954
Tess Heffner, 1994
Michael Heller, 2002
Rose Herrmann, 1978
Sandy Hittman, 2009
Dr. Christian Hodler, 1994
Ruth Hoenich, 2001

Zeev Holtzman, 2016
Charles Housen, 1997

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Ivoncy Ioschpe, 1997
Dr. Jacob Isler, 1970
Ing. Shaul Ivtsan, 2006

## J

Joseph H. Jackier, 1985
Lawrence Jackier, 2000
Jacobs K. Javits, 1973
Martin Jelin, 1985
Ludwig Jesselson, 1973
Anatol Josepho, 1980
Mitchell Julis, 2019
Prof. Eliahu I. Jury, 2001

## K

D. Dan Kahn, 2006
Shmuel Kantor, 1989
Eyal Kaplan, 2016
Daniel Karp, 1994
Dr. Albert A. Kaufman, 1991
Dorothy Kellner, 1999
Leon Kempler OAM, 2008
Adelaide Kennedy Leigh, 1991
Michael Kennedy Leigh, 1975
Avi Kerbs, 2015
Nathan Kirsch, 1984
Michael Klein, 2010
Philip E. Klein, 1998
Stephen B. Klein, 2016
Sidney Konigsberg, 1997
Alexander Konoff, 1949**
Richard Aaron Koplow, 1992
Yaacov Kotlicki, 2006
Linda Kovan, 2019
Abba Kramer, 1988
Theodore Krengel, 1984
Reuben Kunin, 1991

## L

Yeshayahu Landau, 1992
Ing. Zvi Langer, 1981
Dr. Stephen A. Laser, 2003
Ron Lazarovits, 2013
Scott Leemaster, 2009
Sidney Lejfer, 2011
Prof. Yossi Leshem, 2017
William Lester, 1991
Avraham Lev, 1976
Ruth Leventhal Nathanson, 2007
Charles Levin, 2010
Prof. Jacques Lewiner, 2006
Leon Lidow, 1976
Prof. Asger Lindegaard-Andersen, 1995
Louis L. Lockshin, 1979
Trudy Louis, 1994

## M

Louis Bernard Magil, 1983
Alexandre Mallat, 1997
Hal Marcus, 2006
William Marcus, 1996
Dr. Shlomo Markel, 2016
Dr. Moshe Marom, 2018
Sonia Marschak, 2015
Moriel Matalon, 2023
Justice Roy Matas, 1981
Frank G. Meyer, 2002
Pearl Milch, 1980
Raphael Mishan, 2012
Dr. Hyman Mitchner, 2003
Andre Molleson, 1989
Monte Monaster, 1989
Mark Moshevicz, 1983
Prof. Burkhart Müller, 2001
Ing. Gen. Robert Munnich, 1985

## N

Ernest Nathan, 1982
Albert Nerken, 1992
Tzvi Neta, 2009
Albert Newman, 1989
Yehezkel Nussbaum, 1996

## O

Seniel Ostrow, 1982

## P

Daniel Peltz, 2014
Lois Peltz, 2000
David Polak, 2001
Robert Polak, 2022
Herbert W. Pollack, 2004
Allen Prince, 2015
Miriam Pushkar, 2000

## R

Judge Leonard Rabinowitz, 1984
Rona Ramon, 2018
Norbert M. Rand, 1997
Bennett Rechler, 2009
Hannah Rechler
Rabinowitz, 2009
Arnold Recht, 1994
Frank Resnek, 2019
Hershel Rich, 1992
Eugene N. Riesman, 1986
Joseph Riesman, 1976
Morris Rochlin, 2002
Louis Rogow, 1983
Prof. Gerd-Volker Röschenthaler, 2012
Maurice M. Rosen, 1972
Howard Rosenbloom, 2010
Dr. Martin and Grace Rosman, 2018
Shmuel Rotem, 2005
Joel Rothman, 2010
Gyora Rubinstein, 1997
Joshua and Julia Ruch, 2016

## S

Nina Sabban, 2004
Eliyahu Sacharov, 1973
Edmundo Safdie, 1991
Ed Satell, 2011
Prof. Dr. Thomas Scheper, 2019
Stefanie Sonia Schreier, 1984
Dorothy Schussheim, 1992
Alf Schwarcbaum, 1983
Arnold Seidel, 2017
Joan Seidel, 2005
Norman Seiden, 1979

Stephen Seiden, 2024
Les Seskin, 2018
Emanuel Shachar, 1990
Uriel Shalon, 1982
William Shamban, 1997
Andy Shapiro, 2014
Eugene and Marlene Shapiro, 2019
Dr. Stephen Shapiro, 1993
Dr. Zalman M. Shapiro, 1988
Maurice Meir Shashoua, 2012
Paul M. Shatz, 2011
Max Shein, 1978
Irving A. Shepard, 1988
Harry Sheres, 1989
Beatrice Sherman, 1982
Leonard H. Sherman, 1987
Nate Sherman, 1977
Norton Sherman, 1996
Barnett Shine, 1972
Stanley Shirvan, 1999
David Silbert, 1984
Gerald Silbert, 1993
Ramie Silbert, 1988
Peter Simon, 1993
Cindy Sipkin, 2008
Rafael Sirkis, 2011
Jack Skodnek, 2006
Esther Smidof, 2005
Janet Shatz Snyder, 2023
Jonathan Sohnis, 2001
Ben Sosewitz, 1990
Eugene Stearns, 1976
Dr. Gideon Stein, 2019
Louis Stein, 1982
Senator Paul B. Steinberg, 2012
Sir Louis Sterling, 1956
Harry Stern, 1993
Harry J. Stern, 1996
Ivan Stern, 2010
Haim Stoessel, 1999
Harold M. Stone, 1989
Ing. Isaac (Eddie) Streifler Shavit, 1989
Henri Strosberg, 1986
Louis Susman, 1980
Stanley Sussman, 2011
Albert Sweet, 2011
Janey Sweet, 2007
Richard Swig, 1995
Mariane Szego, 2008
Sandor Szego, 2008

## T

Victor Tabah, 1973
Joseph Tanenbaum, 2000
L. Shirley Tark, 1979
Henry Taub, 1980
Ira Taub, 2022
Isaac Taylor, 1977
Dov Tirosh, 1997
Gen. Dan Tolkowsky, 1975
Sam Topf, 1983
Benjamin B. Torchinsky, 1999
Col. Yitzhak Turgeman, 2003

## U

Jacob W. Ullmann, 1972
Yona Uspiz, 1994

## V

Clément Vaturi, 1993
Lauren and John Veronis, 2019
Dan Vilenski, 2005

## W

Dr. Arthur Wein, 1998
Naomi Weiss Newman, 2014
K. B. Weissman, 1997
Eli Welt, 2002
Irving Wenger, 1991
Mary Werksman, 1996
Lewis M. Weston, 1987
Alexander Whyte, 1972
William Wiener, 2005
Irma Wigdor, 1984
Dan Wind, 1996
Ben Winters, 1991
Roma Broida Wittcoff, 1992
Sidney Wolberg, 1989
Sir Isaac Wolfson, 1956
The Hon. Laura Wolfson Townsley, 2012
Abel Wolman, 1972
Joseph W. Wunsch, 1946**
Susan Raymer and Benjamin Wygodny, 2017

## Y

Solm Yach, 1980
Elisha Yanay, 1998
Chaim Yaron, 2009

## Z

Shlomo Zabledowitz, 1984
Samuel Zabner, 1992
Prof. Salman Zarka, 2024
Boris Zimin, 2021
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Geoffrey Hartnell, UK
Lady Morven Heller, UK
Peter Hersh, Australia
David Houser, Canada
Dr. Irit Idan, Israel*
Maj. Gen. (Res.) Shlomo Inbar (Burstein), Israel
Lawrence S. Jackier, USA
Michael Kagan, Israel
Dr. Shlomo Kalish, Israel
Ilana Kaufman, Israel*
Avi Kerbs, Israel
Aryeh Kleinstein, Israel
PD Dr. med. Angelica Kohlmann, Switzerland
Ziv Kolker, Israel
Yaacov Kotlicki, Israel
Linda Kovan, USA
Prof. Gabriel P. Krestin, Netherlands
Jacob (Kobi) Kurtz, Netherlands
Benny Landa, Israel
Dr. Stephen Laser, USA
Ronald Lauder, USA
Prof. Peretz Lavie, Israel
Ron Lazarovits, Australia
Boaz Levy, Israel*
Prof. Jacques Lewiner, France
Moshe Lichtman, Israel
Yoseph Linde, Israel
Dr. Yoelle Maarek, Israel
Israel Makov, Israel
Prof. Fadel Mansour, Israel
Dana Maor, Israel
Dr. Shlomo Markel, Israel
Dan Maydan, USA
Prof. Dr. Christoph Meinel, Germany
Oskar Mencer, UK
Aryeh Mergi, Israel
Giora Meyuhas, Israel
Melvyn Miller, USA
Dov Moran, Israel
Edward D. Nagel, Canada
Avinoam Naor, Israel
Rafi Nave, Israel
Shlomo Nehama, Israel
Meir Nissensohn, Israel
Gilad Novik, Israel
Dr. Eli Opper, Israel*
Guido Pardo-Roques, Israel
Daniel Peltz, UK
Lois Peltz, UK
David Perlmutter, Israel
Prof. Guilherme Ary Plonski, Brazil
Jeff Polak, USA
Robert Polak, USA
Zvika Pollak, Israel
Rina Pridor, Israel
Dan Propper, Israel
Irith Rappaport, Israel
Dr. Ruth Ratner, Australia
Bennett Rechler, USA
Prof. Dr. Oscar-Werner Reif, Germany
Prof. Dr. Gerd-Volker

Roschenthaler, Germany
Dr. Martin Rosman, USA
Grace Rosman, USA
Helio Bruck Rotenberg, Brazil
Joel Rothman, USA
Haim Rousso, Israel
Kobi Rozengarten, Israel*
Joshua Ruch, USA
Julia Ruch, USA
David Samuel, Greece
Dr. Yoav Sarne, Israel*
Prof. Dr. Thomas Scheper, Germany
Benny Schnaider, Israel
Arik Schor, Israel
Yigal Schreiber, Israel
Dr. Yoram Sebba, Israel*
Joan Seidel, USA
Stephen Seiden, USA
Haim Shani, Israel
Dr. Amira Sharon, Israel
Ing. Shaul Shashoua, Brazil
Janet Shatz-Snyder, USA
Dr. Merry Sherman-Saifer, USA
Dr. Robert Shillman, USA
Gadi Singer, Israel
Rafael Sirkis, Israel
Jonathan Sohnis, USA
Stefan Sturesson, Sweden
Janey Sweet, USA
Prof. Zehev Tadmor, Israel
Rami Tamir, Israel
Elias Tannuos, Israel
Ira Taub, USA
Irwin Tauben, Canada
Itzhak Turgeman, Israel
Oded Tyrah, Israel
Pim Van Den Dam, Netherlands
Lauren Veronis, USA
Dan Vilenski, Israel
Dr. Andrew Viterbi, USA
Dr. Kobi Vortman, Israel
Eyal Waldman, Israel
Joseph Weiss, Israel
Arthur A. Weiss, USA
Naftali Weitman, Israel
Prof. Dr. Katja Windt, Germany
Stephen John Wiseman, UK
Mauro Wjuniski, USA
Andrea Wolfe, USA
Dr. Pedro Wongtschowski, Brazil
Ben Wygodny, Canada
Yoram Yaacovi, Israel
Danny Yamin, Israel
Maj.Gen.(Res.)ShlomoYanai,Israel
Elisha Yanay, Israel
Dr. Giora Yaron, Israel
Imad Younis, Israel
Avi Zeevi, Israel
Miriam Ziv, Israel
Dr. Amir Ziv-Av, Israel*

## Alternate Members

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Max Blankfeld, USA
Amanda Crown, USA
John Davison, USA
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Dr. Nathan Fischel, USA
Laura Flug, USA
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Dr. Fariba Ghodsian, USA
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Agota Kuperman, USA
Julee Landau, USA
Sid Lejfer, USA
Michael Miller, USA
Gary Monnickendam, UK
Dr. Alfred Munzer, USA
Ruth Owades, USA
Beth Perlman, USA
Marianna Rabinovitch, USA
Anders Riedenfalk, Sweden
Bruce Sholk, USA
Senator Paul B. Steinberg, USA
Jozef Stern, Sweden
Prof. Dr. Roderich Suessmuth, Germany
Prof. Dr. Marc Tornow, Germany
Debbie Vanderveer, USA
Michael Veloric, USA
Steve Wishner, USA

## Honorary Life Members

Aron Ain, USA
Norman Belmonte, USA
Paul Bernstein, USA
Dr. Joel Birnbaum, USA
Scott Black, USA
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Steve Bramson, Canada
Lucien Y. Bronicki, Israel
Marilyn Caplovitz, USA
Yoel Carasso, Israel
Dr. Edith Cresson, France
Rita Emerson, USA
J. Steven Emerson, USA
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Dr. Avi Friedman, Canada
Michael Frieze, USA
Pearl Gameroff, Canada
Dr. Terry N. Gardner, USA
Edward R. Goldberg, USA
Sofia L. Grimberg, Argentina
Gary Gross, USA
Daniel Gutenberg, Switzerland
Dr. Michael Helper, Canada
Jon Hirschtick, USA
PD Dr. med. Victor E. Hofman, Switzerland
Dr. Irwin Jacobs, USA
Ronnie Kaplan, Canada
Maggie Kaplan, USA
Nathan Kirsh, South Africa
Stephen B. Klein, USA
Isaac-Sakis Leon, Greece
Alexander Lidow, USA
William Marcus, USA
Raphael Mishan, USA
Jonathan Mitchell, USA
Ruth Nathanson Leventhal, USA
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Marvin Ostin, Canada
Dr. Edgar H. Paltzer, Switzerland
Prof. Eliot Phillipson, Canada
David Polak, USA
Rachel Pollak, Israel
Leon Recanati, Israel
Arnold Recht, Canada
Eugene Riesman, Canada
Elihu Rose, USA
Daniel Rose, USA
Howard Rosenbloom, USA
Nina Sabban, USA
Les Seskin, USA
Emanuel Shimoni, Israel
Stanley Shirvan, USA
Melissa Singer, Canada
Bernice Tanenbaum, USA
Maj. Gen. (Res.) Dan Tolkowsky, Israel
Lucy Ullmann, USA
Dr. Yossi Vardi, Israel
Efraim-François Wasservogel, Israel
Roma Wittcoff, USA
Estelle Yach, South Africa
Robert Zinn, USA

## Representatives of Groups and Organizations

**Israel Association of Engineers and Architects**
Mor S. Farbstein
Igal Govrin
Emanuel Zvi Liban

**Israel Academy of Sciences and Humanities**
Prof. Joseph Kost

**Alumni Association**
Liby Manash
Nora Nseir
Doron Sieradzki

**Technion Academic Staff Members**
Prof. Eli Aljadeff*
Prof. Ashraf Brik*
Prof. Gideon Grader*
Prof. Ron Kimmel*
Prof. Debbie Lindell
Associate Professor Maxim Gurevich
Senior Lecturer Dana Harari

**Professors Emeriti**
Prof. Emeritus Moshe Moshe

**Teaching Staff Union**
Shoham Shefy

**Faculty Association**
Prof. Aharon Blank

**Practical Engineers Union**
Itzhak R. Shapira

**M4: Academic Employees Union**
Zvi Bar-Deroma

**Administrative Workers Union**
Yamit Herman

**Pensioners Association**
Moshe Barak

**Students Association**

**Undergraduate Students**
Itay Israel
Michelle Benimovitch

**Graduate Students**
May Cohen-Hakmon

# HARVEY PRIZE

The Harvey Prize, established in 1971 by Leo M. Harvey of Los Angeles, is awarded annually at the Technion for exceptional achievements in science, technology, and human health, and for outstanding contributions to peace in the Middle East, to society and to the economy.

Prof. James P. Allison, 2014
Prof. Vladimir I. Arnold, 1994
Dr. Arthur Ashkin, 2004
Prof. Robert Aumann, 1983
Prof. Stephen B. Baylin, M.D, 2022-2023
Prof. Sir David Baulcombe, 2009
Prof. Wolfgang P. Baumeister, 2005
Dr. Charles H. Bennett, 2008
Prof. Charles L. Bennett, 2006
Prof. Seymour Benzer, 1977
Prof. Elizabeth H. Blackburn, 1999
Prof. Immanuel Bloch, 2015
Prof. Sydney Brenner, 1987
Dr. John Cahn, 1995
Prof. Pierre Chambon, 1987
Prof. Emmanuelle Charpentier, 2018
Prof. Claude Cohen-Tannoudji, 1996
Prof. Paul B. Corkum, 2013
Sir Alan Howard Cottrell, 1974
Prof. Pieter Cullis, 2021-2022
Prof. George B. Dantzig, 1985
Prof. Karl Deisseroth, 2016
Dr. Robert H. Dennard, 1990
Prof. Peter B. Dervan, 2002
Prof. Joseph Mark DeSimone, 2019-2020
Prof. Jennifer Doudna, 2018
Prof. Ronald Drever, 2016
Prof. Freeman John Dyson, 1977
Prof. David Eisenberg, 2008
Prof. Ronald M. Evans, 2006
Prof. Andrew P. Feinberg, 2022-2023
Prof. Sir Richard Friend, 2011
Prof. Hillel Furstenberg, 1993
Prof. Robert G. Gallager, 1999
Prof. Pierre-Gilles de-Gennes, 1988
Prof. Reinhard Genzel, 2014
Prof. Shlomo Dov Goitein, 1980
Mikhail Gorbachev, 1992
Prof. Michael Gratzel, 2007
Prof. Harry B. Gray, 2000
Prof. David J. Gross, 2000
Prof. Stephen E. Harris, 2007
Prof. Peter Hegemann, 2016
Prof. Wayne A. Hendrickson, 2004
Prof. Peter A. Jones, 2022-2023
Prof. Eric Kandel, 1993
Prof. Michael Karin, 2010
Prof. Richard Karp, 1998
Prof. Marc Kirschner, 2015
Prof. George Klein, 1975
Prof. Jon M. Kleinberg, 2013
Dr. Donald Knuth, 1995
Prof. Willem J. Kolf, 1972
Prof. Roger D. Kornberg, 1997
Prof. Hans W. Kosterlitz, 1981
Prof. Eric Lander, 2012
Prof. Robert Langer, 2003
Prof. Paul C. Lauterbur, 1986
Prof. Philip Leder, 1983
Prof. Bernard Lewis, 1978
Prof. Saul Lieberman, 1976
Sir James Lighthill, 1981
Prof. C. Walton Lillehei, 1996
Prof. Jacques-Louis Lions, 1991
Dr. Benoit B. Mandelbrot, 1989
Prof. Herman F. Mark, 1976
Prof. Tobin J. Marks, 2017
Prof. Benjamin Mazar, 1986
Prof. Raphael Mechoulam, 2019-2020
Prof. Shuji Nakamura, 2009
Prof. Christos Papadimitriou, 2018
Prof. Judea Pearl, 2011
Prof. James E. Peebles, 2001
Prof. Jacob Polotsky, 1982
Prof. Alexander M. Polyakov, 2010
Prof. Michael Rabin, 1980
Prof. Ephraim Racker, 1979
Prof. James R. Rice, 2020-2021
Prof. Barnett Rosenberg, 1985
Prof. Franz Rosenthal, 1984
Prof. Bert Sakmann, 1991
Prof. Gershom Scholem, 1974
Prof. Claude E. Shannon, 1972
Prof. Barry Sharpless, 1998
Prof. Carla J. Shatz, 2017
Dr. Peter Sorokin, 1984
Prof. Edward Teller, 1975
Prof. Kip Stephen Thorne, 2016
Prof. Bert Vogelstein, 2001
Prof. Isaak Wahl, 1978
Prof. Alvin Weinberg, 1982
Prof. Robert A. Weinberg, 1994
Prof. Rainer Weiss, 2016
Prof. Drew Weissman, M.D., Ph.D., 2021-2022
Prof. Edward Witten, 2005
Prof. Amnon Yariv, 1992
Prof. Eli Yablonovitch, 2012
Prof. Ada E. Yonath, 2002
Prof. Richard Zare, 1993
Prof. Feng Zhang, 2018

# LEADERSHIP

**Scott Leemaster**
Chairman of the
Board of Governors

**Gideon Frank**
Chairman of the
Council

**Prof. Uri Sivan**
President

**Prof. Oded Rabinovitch**
Senior Executive
Vice President

**Prof. Naama Brenner**
Executive Vice President
for Academic Affairs

**Dr. Rafi Aviram**
Executive Vice President
and Director General

**Prof. Noam Adir**
Executive Vice President
for Research

**Prof. Lihi Zelnik-Manor**
Executive Vice President
for Innovation and Industry
Relations.
Acting Vice President
for Public Relations and
Resource Development

**Prof. Adi Salzberg**
Vice President for
Diversity and Inclusion

## Technion's Deans

Dean of the School of
Undergraduate Studies
**Prof. Hossam Haick**

Dean of the Jacobs
Graduate School
**Prof. Uri Peskin**

Dean of the Azrieli School
of Continuing Education
and External Studies
**Clinical Prof. Stavit
Allon-Shalev**

Dean of Students
**Prof. Guedi Isaac
Capeluto**

## Deans

Faculty of Aerospace
Engineering
**Prof. Daniella Raveh**

Faculty of Architecture
and Town Planning
**Prof. Karel Martens**

Faculty of Biology
**Prof. Michael Glickman**

Faculty of Biomedical
Engineering
**Prof. Josué Sznitman**

Faculty of Biotechnology
and Food Engineering
**Prof. Sima Yaron**

Wolfson Faculty of
Chemical Engineering
**Prof. Yoed Tsur**

Schulich Faculty of
Chemistry
**Prof. Efrat Lifshitz**

Faculty of Civil and
Environmental
Engineering
**Prof. Ori Lahav**

Henry and Marilyn Taub
Faculty of Computer
Science
**Prof. Danny Raz**

Faculty of Education in
Science and Technology
**Prof. Miriam Barak**

Andrew and Erna Viterbi
Faculty of Electrical and
Computer Engineering
**Prof. Idit Keidar**

Department of
Humanities and Arts
**Prof. Ron Meir**

Faculty of Data and
Decision Sciences
**Prof. Rann Smorodinsky**

Faculty of Materials
Science and Engineering
**Prof. Eugen Rabkin**

Faculty of Mathematics
**Prof. Ehud Moshe
Baruch**

Faculty of Mechanical
Engineering
**Prof. Alon Wolf**

Ruth and Bruce Rappaport
Faculty of Medicine
**Prof. Ami Aronheim**

Faculty of Physics
**Prof. Adi Nusser**

Guangdong Technion-Israel
Institute of Technology
Vice Chancellor
**Prof. Eli Aljadeff**

Director of Joan & Irwin
Jacobs Technion-Cornell
Institute
**Emeritus Prof. Israel
Cidon**

Technion Program
for Excellence
**Prof. Eitan Yaakobi**

Center for Pre-university
Education
**Prof. Tali Tal**

## Additional Officers

Schulich Leaders
Entrepreneurship
Program
**Prof. Yuval Garini**

Deputy Senior
Vice President
**Prof. Anath Fischer**

Deputy Senior
Vice President for
Engineering and Life
Sciences and Medicine
**Prof. Noam Ziv**

Deputy Senior
Vice President for
Sustainability
**Prof. Avner Rothschild**

Deputy Vice President
for Pre-clinical Research
**Prof. Jackie Schiller**

Deputy Vice President
for Academic Affairs
**Prof. Herman Wolosker**

Deputy Excutive VP for
Academic Affairs for
Clinical Appoiments
**Emeritus Prof. Elias
Toubi**

Deputy Vice President
for Computing and
Information Systems
**Prof. Ofer Strichman**

Deputy Vice President
for Safety Affairs
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Deputy Director General
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Deputy Director General
for Human Resources
**Dalit Bizan**

Deputy Director
General for Operations
**Zehava Laniado**

Deputy Director General
of Computing and
Information Systems
**Shoshi Levavi**

Deputy Senior Executive
VP for the Promotion of
Learning and Teaching
**Prof. Doron Shilo**

Deputy VPDI for Equal
Opportunity
**Assoc. Prof.
Jack Haddad**

Assistant to the
President for Research
Awards
**Dist. Prof. Ilan Marek**

# FACULTY

## New Faculty Appointments

**Aerospace Engineering**
Assistant Professor Ameer Marzok

**Biology**
Assistant Professor Inbal Shainer-Gali

**Biomedical Engineering**
Assistant Professor Avinoam Bar-Zion
Assistant Professor Eddy Solomon
Assistant Professor Shira Landau

**Chemistry**
Assistant Professor Ron Tenee
Assistant Professor Dvir Harris
Assistant Professor Ofer Neufeld

**Civil and Environmental Engineering**
Assistant Professor Tatyana Bloch
Assistant Professor Roy Posmanik
Assistant Professor Huaquan Ying
Assistant Professor Rui Yao

**Computer Science**
Assistant Professor Omri Ben-Eliezer

**Data and Decision Sciences**
Assistant Professor Nadav Merlis
Assistant Professor Or Sharir

**Electrical and Computer Engineering**
Associate Professor Ariel Cohen
Assistant Professor Yaniv David
Full Professor Avinoam Zadok

**Humanities and Arts**
Full Professor Eitan Globerson
Associate Professor Alexander Simon Blum

**Materials Science and Engineering**
Assistant Professor Arava Zohar

**Mathematics**
Assistant Professor Ofir Gorodetsky
Assistant Professor Itay Glazer
Assistant Professor Alan Yaeir Lew

**Mechanical Engineering**
Assistant Professor Andy Thawko

**Medicine**
Assistant Professor Gilad Barshad

## Medical Staff

**Clinical Lecturer (Educator)**
Nizar Jiries
Limor Givon
Shira Ginsberg
Haya Wachtel
Veacheslav Zilbermints
Nataliya Yorovinsky
Elena Mishchenko
Jonathan Sapir
Zoya Rabkin-Mainer

**Senior Clinical Lecturer (Educator)**
Gabriel Weber
Mark Kazatsker

**Associate Professor**
Rachel Grossman

**Lecturer**
Samuel Attias

**Clinical Lecturer**
Gal Bachar
Itai Ghersin
Nadav Willner
Habba Zarora
Naphtali Justman
Yaniv Levi
Nir Eshel (Aryeh)
Ragda Abdalla-Aslan
Amir Bieber
Safi Khuri
Asaf Lebel
Pavel Kotlarsky
Mati Rozenblat

**Senior Clinical Lecturer**
Tal Gazit
Regev Cohen
Gilad Margolis
Einav Kadour
Yinon Shapira
Mika Shapira Rootman

**Clinical Associate Professor**
Alona Zer
Eran Leshem
Eedy Mezer

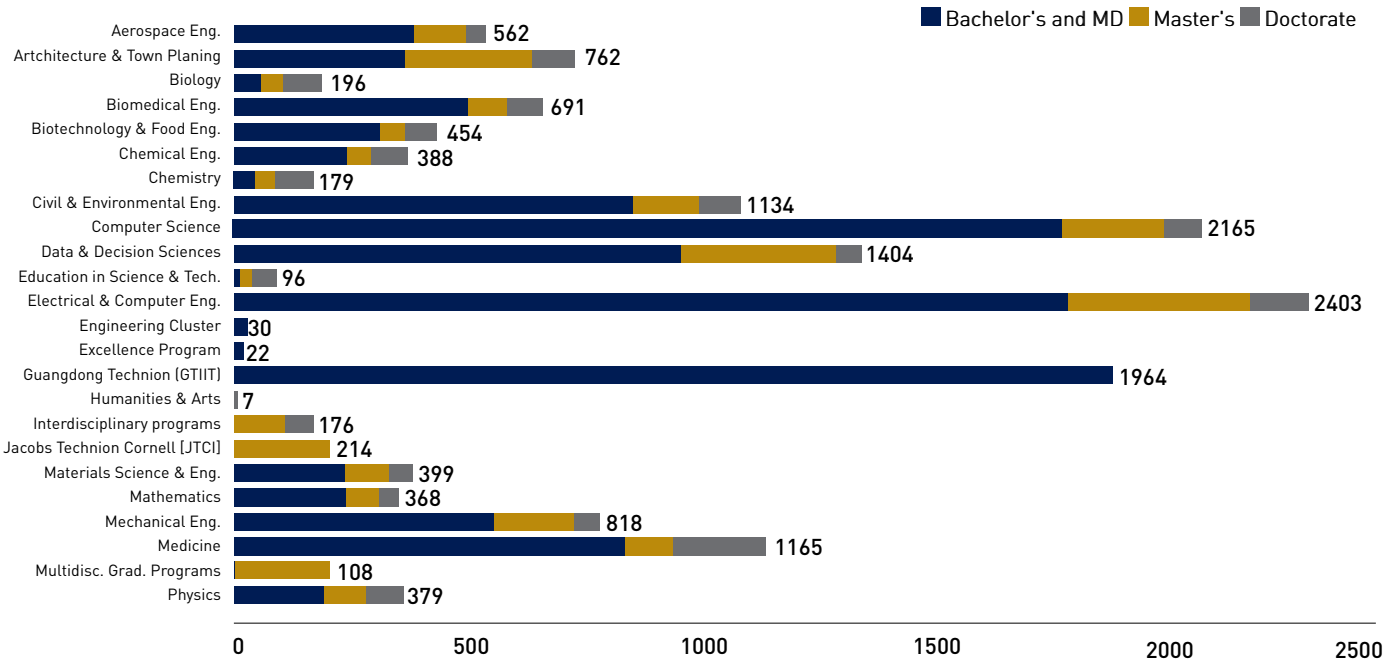
## ACADEMIC FACULTY 2024-2025

| Faculty | Individuals | Full Time Equivalents (FTEs) |
|---|---|---|
| Professor | 238 | 238 |
| Associate Professor | 178 | 178 |
| Assistant Professor | 150 | 150 |
| Lecturer | 1 | 1 |
| Others | 5 | 5 |
| Total | 572 | 572 |
| Research Fellows | 64 | 28.05 |
| Clinical Track Appointments | 99 | 13.375 |
| External Adjuncts | 681 | 276 |

# FACTS AND FIGURES

## NUMBER OF STUDENTS 2024-2025

(Including GTIIT and JTCI)




## TOTAL STUDENT POPULATION

| | 2020/21 | 2021/22 | 2022/23 | 2023/24 | 2024/25 |
|---|---|---|---|---|---|
| Bsc | 10,779 | 10,504 | 10,436 | 10,267 | 11,461 |
| MD | 517 | 539 | 323 | 513 | 355 |
| Masters | 2,990 | 2,633 | 2,399 | 2,913 | 2,927 |
| PhD | 1,295 | 1,320 | 1,314 | 1,427 | 1,494 |
| Total | 15,581 | 14,996 | 14,472 | 15,120 | 16,237 |

## DEGREES AWARDED (GRADUATES)

| | 2023 | 2024 |
|---|---|---|
| Bachelor's | 1,916 | 1,936 |
| MD | 152 | 162 |
| Master's | 849 | 823 |
| PhD | 264 | 258 |
| Total | 3,181 | 3,179 |

## TOTAL DEGREES AWARDED (1924 - 2024)

| | |
|---|---|
| Bachelor's | 94,453 |
| MD | 4,408 |
| Master's | 27,336 |
| PhD | 6,873 |
| Total | 133,070 |

# FISCAL OVERVIEW

## OPERATING BUDGET - 2024/2025

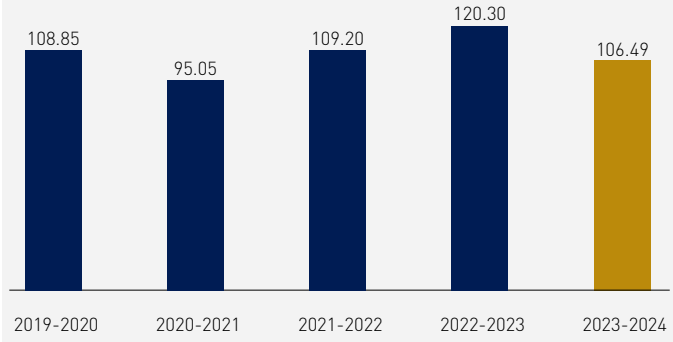
October 1, 2024 - September 30, 2025

| Income | Thousands of ILS | % |
|---|---|---|
| Government Allocation | 1,248,050 | 70.2% |
| Tuition Fees | 155,000 | 8.7% |
| Technion Societies | 41,000 | 2.3% |
| Self Income | 280,000 | 15.7% |
| Reserve Fund | 55,776 | 3.1% |
| **Total Income** | **1,779,826** | **100.0%** |
| **Expenditure** | | |
| Staff Emoluments | 926,597 | 52.1% |
| Pension Payments | 355,920 | 20.0% |
| Student Aid | 153,867 | 8.6% |
| Maintenance | 133,606 | 7.5% |
| Operating Expenses | 209,836 | 11.8% |
| **Total Expenditure** | **1,779,826** | **100.0%** |

(*) The actuarial liability of the Technion as of September 30, 2024 was ILS 5.2 billion. The consolidated liability (Technion and TRDF) is ILS 5.6 billion.

## SPONSORED RESEARCH FROM EXTERNAL SOURCES

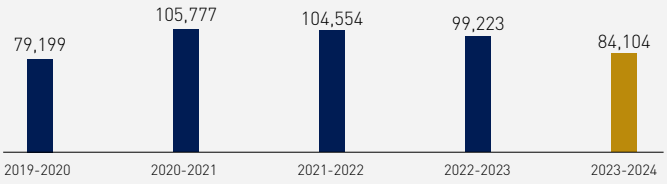
($U.S. M)




## TOTAL INCOME FROM TECHNION SOCIETIES

October 1, 2023 - September 30, 2024

($U.S. M)




## DEVELOPMENT EXPENDITURE - 2023/2024

October 1, 2023 - September 30, 2024

| | Thousands of $US | % | Thousands of ILS |
|---|---|---|---|
| Buildings, renovations & infrastructure | 42,536 | 67.6% | 158,678 |
| Multidisciplinary Research Centers | 4,676 | 7.4% | 17,408 |
| Laboratories & Equipment | 15,700 | 25.0% | 58,698 |
| **Total** | **62,912** | **100.0%** | **234,785** |

## TECHNION INVESTMENT - 2023/2024

October 1, 2023 - September 30, 2024

| | Millions of ILS | % |
|---|---|---|
| CPI linked investments | 4,131 | 47% |
| Foreign Currency investments | 30 | 0% |
| Shekel Unlinked investments | 1,173 | 13% |
| Stocks | 3,586 | 40% |
| **Total** | **8,920** | **100%** |

## DEVELOPMENT EXPENDITURE

(thousands of $U.S.)

# INTERNATIONAL AWARDS AND HONORS

**Association of International Educators (NAFSA) Innovative Research in International Education Award**
**Professor Miri Yemini**
Faculty of Education in Science and Technology

**Cell Stress Society International (CSSI) Ferruccio Ritossa Early Career Award**
**Associate Professor Reut Shalgi**
Ruth and Bruce Rappaport Faculty of Medicine

**Design Educates Award**
**Associate Professor Aaron Sprecher**
Faculty of Architecture and Town Planning

**Doctor Honoris Causa, the Slovak University of Technology in Bratislava**
**Distinguished Professor Emeritus Dan Shechtman**
Faculty of Materials Science and Engineering

**ES&T and ES&T Letters, and the ACS Division of Environmental Chemistry 2025 James J. Morgan Early Career Award**
**Assistant Professor Razi Epsztein**
Faculty of Civil and Environmental Engineering

**European Chemical Society (EuChemS) Division of Organic Chemistry – Research Award**
**Distinguished Professor Ilan Marek**
Schulich Faculty of Chemistry

**European Molecular Biology Organization (EMBO) Elected Member**
**Professor Oded Beja**
Faculty of Biology

**Professor Benjamin Podbilewicz**
Faculty of Biology

**Professor Asya Rolls**
Ruth and Bruce Rappaport Faculty of Medicine

**Federation of European Biochemical Societies (FEBS) Education Award**
**Professor Yoav Arava**
Faculty of Biology

**International Core Academy of Sciences and Humanities Fellow**
**Professor Alfred (Freddy) Bruckstein**
Henry and Marilyn Taub Faculty of Computer Science

**International Congress of Basic Science Frontiers of Science Award**
**Professor Emanuel Milman**
Faculty of Mathematics

**Journal of Water Resources Planning and Management Seminal Paper Award**
**Professor Avi Ostfeld**
Faculty of Civil and Environmental Engineering

**Materials Research Society (MRS) Impact Award**
**Professor Hossam Haick**
Wolfson Faculty of Chemical Engineering

**Philosophy of Science Association (PSA) Outreach and Engagement Award**
**Associate Research Fellow Ayelet Shavit**
Department of Humanities and Arts

**Pontifical Academies Award "De rerum natura"**
**Assistant Professor Enrico Piergiacomi**
Department of Humanities and Arts

**Prize for Innovation in Distributed Computing (SIROCCO Award)**
**Professor Shay Kutten**
Faculty of Data and Decision Sciences

**The American Peptide Society Vincent du Vigneaud Award**
**Professor Ashraf Brik**
Schulich Faculty of Chemistry

**The American Society of Mechanical Engineers (ASME) Fellow**
**Associate Professor Beni Cukurel**
Stephen B. Klein Faculty of Aerospace Engineering

**The American Institute of Aeronautics and Astronautics (AIAA) Wyld Propulsion Award**
**Professor Emeritus Alon Gany**
Stephen B. Klein Faculty of Aerospace Engineering

**The American Institute of Aeronautics and Astronautics (AIAA) Ashley Award for Aeroelasticity**
**Professor Emeritus Mordechay (Moti) Karpel**
Stephen B. Klein Faculty of Aerospace Engineering

**The American Physical Society Fellow**
**Professor Kinneret Keren**
Faculty of Physics

**The Best Research and Studies Khalifa International Award for the Early Learning Field**
**Associate Professor Tzipi Horowitz-Kraus**
Faculty of Education in Science and Technology

**The Best PhD Thesis in Chemistry Martinus Van Marum Prize**
**Assistant Professor Charlotte Vogt**
Schulich Faculty of Chemistry

**The European Association for Computer Graphics (EUROGRAPHICS) Outstanding Technical Contributions Award**
**Professor Anat Levin**
Andrew and Erna Viterbi Faculty of Electrical & Computer Engineering

**The European Peptide Society Leonidas Zervas Award**
**Professor Ashraf Brik**
Schulich Faculty of Chemistry

**The German Colloid Society Graham Prize**
**Professor Emeritus Yeshayahu (Ishi) Talmon**
Wolfson Faculty of Chemical Engineering

**The International Society of Dermatology Honorable Member**
**Clinical Associate Professor Roni P. Dodiuk-Gad**
Ruth and Bruce Rappaport Faculty of Medicine

**The Society for Experimental Mechanics (SEM) W. M. Murray Lecture Award**
**Professor Emeritus Daniel Rittel**
Faculty of Mechanical Engineering

**Red Dot Award: Design Concept**
**Mr. Yoav Sterman**
Faculty of Architecture and Town Planning

**Shape Modeling International (SMI) Tosiyasu L. Kunii Distinguished Researcher Award**
**Professor Gershon Elber**
Henry and Marilyn Taub Faculty of Computer Science

**Young Academy of Europe Member**
**Professor Shahar Kvatinsky**
Andrew and Erna Viterbi Faculty of Electrical & Computer Engineering

### ERC CONSOLIDATOR 2024

**Assoc. Professor Dan Garber**
Faculty of Data and Decision Sciences

### ERC STARTING 2024

**Dr. Yonatan Belinkov**
Henry and Marilyn Taub Faculty of Computer Science

**Dr. Yaniv Romano**
Henry and Marilyn Taub Faculty of Computer Science

**Dr. Menahem (Hemi) Rotenberg**
Faculty of Biomedical Engineering

**Dr. Ariella Glasner**
Ruth and Bruce Rappaport Faculty of Medicine

# ISRAELI AWARDS AND HONORS

**ICS-Adama Prize for Technological Innovation**
**Professor Mark Gandelman**
Schulich Faculty of Chemistry

**Israel Academy of Sciences and Humanities Elected Member**
**Professor Ashraf Brik**
Schulich Faculty of Chemistry

**Professor Michael Elad**
Henry and Marilyn Taub Faculty of Computer Science

**Israel Chemical Society (ICS) Prize or Outstanding Scientist**
**Professor Efrat Lifshitz**
Schulich Faculty of Chemistry

**Israel Young Academy Elected Member**
**Associate Professor Eitan Yaakobi**
Henry and Marilyn Taub Faculty of Computer Science

**Mordechai Nisan Award for Outstanding Early Career Education Researchers**
**Lecturer (Dr.) Areej Mawasi**
Faculty of Education in Science and Technology

**Peres Center for Peace and Innovation Knighthood Award**
**Assistant Professor Arielle Fischer**
Faculty of Biomedical Engineering

**The Henry Strage National Award for Excellence in Environmental and Sustainability Sciences**
**Professor Yohay Carmel**
Faculty of Civil and Environmental Engineering

**The Israeli National Academy of Science in Medicine Ziegler Prize**
**Assistant Professor Joachim Behar**
Faculty of Biomedical Engineering

**The Operations Research Society of Israel (ORSIS) Life Achievement Award**
**Professor Emeritus Avishai Mandelbaum**
Faculty of Data and Decision Sciences

**Wolf Foundation Krill Prize for Excellence in Scientific Research**
**Assistant Professor Renana Gershoni Poranne**
Schulich Faculty of Chemistry

**Assistant Professor Hila Peleg**
Henry and Marilyn Taub Faculty of Computer Science

**Assistant Professor Yaniv Romano**
Henry and Marilyn Taub Faculty of Computer Science and Andrew and Erna Viterbi Faculty of Electrical & Computer Engineering, a joint appointment within the framework of the Technion Computer Engineering Center

# FACULTY FELLOWSHIPS

**Azrieli Early Career Faculty Fellowship**
**Assistant Professor Or Litany**
Henry and Marilyn Taub Faculty of Computer Science

**Assistant Professor Gilad Barshad**
Ruth and Bruce Rappaport Faculty of Medicine

**Council for Higher Education Alon Fellowship**
**Assistant Professor Shmuel Bialy**
Faculty of Physics

**Assistant Professor Evgeniy Boyko**
Faculty of Mechanical Engineering

**Assistant Professor Allon Vishkin**
Faculty of Data and Decision Sciences

**Assistant Professor Ilya Svetlizky**
Faculty of Physics

**Assistant Professor Haggai Maron**
Andrew and Erna Viterbi Faculty of Electrical & Computer Engineering

**Assistant Professor Efrat Shimron**
Andrew and Erna Viterbi Faculty of Electrical & Computer Engineering and Faculty of Biomedical Engineering

**Assistant Professor Nir Hananya**
Schulich Faculty of Chemistry

**Council for Higher Education Maof Fellowship**
**Lecturer Areej Mawasi**
Faculty of Education in Science and Technology

**Assistant Professor Ameer Marzok**
Stephen B. Klein Faculty of Aerospace Engineering

**Council for Higher Education program for Quantum Science and Technology**
**Assistant Professor Ido Schwartz**
Faculty of Physics

**Council for Higher Education Fellowship for the Recruitment of Outstanding Faculty from the Ultra-Orthodox Community**
**Assistant Professor Nili Krausz**
Faculty of Mechanical Engineering

**The Zuckerman Faculty Scholars program**
**Assistant Professor Pavel Sidorenko**
Andrew and Erna Viterbi Faculty of Electrical & Computer Engineering

**Assistant Professor Maya Maor-Nof**
Faculty of Biology

# TECHNION PRIZES AND FELLOWSHIPS

## TECHNION EXCELLENCE PRIZES

**Crown Vanguard Award for Science and Technology**
**Professor Yael Yaniv**
Faculty of Biomedical Engineering

**Assoc. Professor Alex Furman**
Faculty of Civil and Environmental Engineering

**Assoc. Professor Amir Gat**
Faculty of Mechanical Engineering

**Hilda and Hershel Rich Technion Innovation Award**
**Professor Boaz Pokroy**
Faculty of Materials Science and Engineering

**Dr. Iryna Polishchuk**
Faculty of Materials Science and Engineering

**Dr. Dina Khateeb**
Ruth and Bruce Rappaport Faculty of Medicine

**Professor Shahar Kvatinsky**
Andrew and Erna Viterbi Faculty of Electrical & Computer Engineering

**Dr. Gil Shamai**
Henry and Marilyn Taub Faculty of Computer Science

**Professor Yuval Shaked**
Ruth and Bruce Rappaport Faculty of Medicine

**Professor Benjamin Podbilewicz**
Faculty of Biology

**Norman Seiden Faculty Prize for Academic Excellence**
**Associate Professor Tomer Michaeli**
Andrew and Erna Viterbi Faculty of Electrical & Computer Engineering

**Robert J. Shillman Prize**
**Professor Avigdor Gal**
Faculty of Data and Decision Sciences

**Uzi and Michal Halevy Prize**
**Assistant Professor Charlotte Vogt**
Schulich Faculty of Chemistry

**The Cooper Award for Excellence in Research**
**Associate Professor Ron Rothblum**
Henry and Marilyn Taub Faculty of Computer Science

**Professor Dario Dekel**
Wolfson Faculty of Chemical Engineering

**The Diane Sherman Prize for Medical Innovation for a Better World**
**Assistant Professor Ayala Shiber**
Faculty of Biology

**Professor Alejandro Sosnik**
Faculty of Materials Science and Engineering

**Uzi and Michal Halevy Innovative Applied Engineering Award and Research Grant**
**Assoc. Professor Naama Geva-Zatorsky**
Ruth and Bruce Rappaport Faculty of Medicine

**Assoc. Professor Alex Hayat**
Andrew and Erna Viterbi Faculty of Electrical & Computer Engineering

**Professor Amit Kanigel**
Faculty of Physics

## CAREER ADVANCEMENT CHAIRS

**The J. Gurwin Foundation Faculty Recruitment Fellowship**
**Assistant Professor Ron Tenne**
Schulich Faculty of Chemistry

**The Rabbi Dr. Roger Herst Endowed Faculty Recruitment Grant**
**Assistant Professor Ofir Gorodetsky**
Mathematics

**The Ravitz Foundation Faculty Fellow**
**Assistant Professor Gilad Barshad**
Ruth and Bruce Rappaport Faculty of Medicine

**The Rosalinde and Arthur Gilbert Foundation-Krengel Family Fellowship for the Recruitment of Female Faculty**
**Assistant Professor Tatyana Bloch**
Civil and Environmental Engineering

## LEADERS IN SCIENCE AND TECHNOLOGY

**Taub Fellow**
**Assistant Professor Omri Ben-Eliezer**
Henry and Marilyn Taub Faculty of Computer Science

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**Published by the Division of Public Affairs and Resource Development**

**Technion – Israel Institute of Technology**
Technion City, Haifa
3200003, Israel

**Editor:** Eran Shur
**Writing:** Rebecca Kopans, Eran Shur, Shelley Sorek, Yehuda Twersky

**Design:** mock.up design by Hila Edri Bromberg
**Photography:** IAI, Israel Aerospace Industries, Eli Calacuda, Rami Shlush, Sharon Tzur, Nitzan Zohar
**Printed in Israel** by Dait Offset

# TECHNION 102 THE MOVIE

**A film celebrating one hundred years since the founding of the Technion.**

The story of the Technion's century on Mount Carmel offers a fascinating perspective on the history of the Jewish people in the State of Israel, which the Technion grew alongside and supported.

It is nearly impossible to imagine today's 77-year-old State of Israel, with its strong economy and scientific and technological achievements, without the Technion.

From the pre-state era, through dramatic wartime moments, the birth of the Startup Nation, and groundbreaking research on a global scale – the Technion has always been there.

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