



**TECHNION**  
Israel Institute  
of Technology

# Technion Research Infrastructure



The Technion is committed to enabling the performance of research in all of the scientific and engineering disciplines at the highest levels. To this end, there is a continued effort to provide our researchers and students with centers of infrastructure that contain cutting-edge scientific equipment. Technion infrastructure centers enable researchers to study the material properties on a wide range of scales, from the atomic to whole organism. All centers have modern data collection and analysis capabilities, with strong support from the High Performance Computing center. Proper utilization of such equipment requires the operation of excellent scientific staff, that not only maintain the equipment, but also assist in the planning of experiments and analysis of the results. It is my pleasure to present here a pamphlet that provides a summary of all the Technion infrastructure centers, the equipment and methodologies available for use by both Technion and external researchers and information on each center's excellent staff, who will work tirelessly to make our scientific dreams a reality.

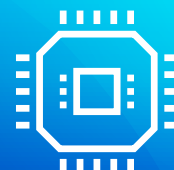
Prof. Noam Adir  
Executive Vice President for Research  
2024, Technion, Haifa



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This tool serves to create a bridge between the Technion community (users) to the Research Infrastructure (RI) professional Heads, to ask/send RI technology questions.



## Life Sciences

Research Infrastructure (RI)	Faculty   Department   Building	Academic Head	Professional Head   Head of Administration
<u>Biomedical Core Facility</u>	Medicine	<u>Izhak Kehat</u>	<u>Ofer Shenker</u>
<u>Chemical and Surface Analysis</u>	Chemistry	<u>Yoav Eichen</u>	<u>Rachel Edrei</u>
<u>Human MRI</u>	Malat	<u>Moti Freiman</u>	<u>Daphna Link-Sourani</u>
<u>Nanoparticles and Nanometric Systems Characterization Center</u>	Biotechnology & Food Engineering	<u>Sima Yaron</u>	<u>Sigal Eichler</u>
<u>NMR</u>	Chemistry	<u>Graham de-Ruiter</u>	<u>Shifi Kababya</u> <u>Ira Ben Shir</u>
<u>Pre-Clinical Research Authority</u>	Medicine   Gutwirth	<u>Jackie Schiller</u>	<u>Dvir Mintz</u>
<u>Proteomics</u>	Emerson	<u>Arie Admon</u>	<u>Tamar Ziv</u>
<u>Technion Center for Structural Biology</u>	Emerson	<u>Noam Ziv</u>	<u>Yael Pazy Benhar</u>
<u>Technion Center for Structural Biology - Computational</u>	Emerson	<u>Noam Ziv</u>	<u>Fabian Glaser</u>
<u>Technion Genomic Center</u>	Emerson   Medicine	<u>Shai Shen Orr</u>	<u>Liat Linde</u>
<u>Technion Human Health Initiative</u>	Emerson	<u>Noam Ziv</u>	<u>Merav Saker</u>
<u>The Life Science and Engineering</u>	Emerson	<u>Noga Ron Harel</u>	<u>Maayan Duvshani Eshet</u>
<u>The MS Lab</u>	Chemistry	<u>Yoav Eichen</u>	<u>Larisa Panz</u>
<u>X-Ray Lab</u>	Chemistry	<u>Moris Eisen</u>	<u>Natalya Fridman</u>
<u>Zebrafish Research Facility</u>	Biomedical Engineering	<u>Limor Freifeld</u>	<u>Inbar Brosh</u>



## Computing

Research Infrastructure (RI)	Faculty   Department   Building	Academic Head	Professional Head   Head of Administration
<u>ATLAS and NYX Clusters</u>	Physics	<u>Yoram Rozen</u>	<u>David Cohen</u>
<u>High-Performance Computing</u>	Taub	<u>Ofer Strichman</u>	<u>Zeev Schinder</u>
<u>Technion Statistics Lab</u>	Data & Decision Sciences	<u>Paul D. Feigin</u>	<u>Statistics Lab</u>



## Fabrication

Research Infrastructure (RI)	Faculty   Department   Building	Academic Head	Professional Head   Head of Administration
<u>2D materials</u>	EE. (Zisapel Center)	<u>Yuval Yaish</u>	<u>Assael Cohen</u>
<u>Architecture Resources Center</u>	Amado		<u>Ezra Ozery</u>
<u>3D Bioprinting Center</u>	Biomedical Engineering	<u>Shulamit Levenberg</u>	<u>Galia Ben-David</u>
<u>Mehoudar Center for Inventors</u>	Danciger Labs	<u>Ezri Terezi</u> <u>Reuven Katz</u>	<u>Boaz Drori</u>
<u>Micro-Nano Fabrication Unit (MNFU)</u>	EE. (Zisapel Center)	<u>Guy Bartal</u>	<u>Eran Lipp</u>
<u>Technion Additive Manufacturing Center</u>	CS Taub	<u>Gershon Elber</u>	
<u>The Center of Research Facilities</u>	Mechanical Engineering	<u>Rene Van-Hout</u>	<u>Shir-Yam Paska</u>
<u>Ullmann Center for Manufacturing Systems &amp; Robotics</u>	Mechanical Engineering	<u>Eyal Zussman</u>	<u>Kalman Maler</u>



## Energy

Research Infrastructure (RI)	Faculty   Department   Building	Academic Head	Professional Head   Head of Administration
<u>Grand Water Research Institute</u>	Stephen & Nancy Grand Water Research Institute	<u>Eran Friedler</u>	<u>Yair Farber</u>
<u>GTEP Fuell Cells Lab</u>	Chemical Engineering   Grand Technion Energy Program	<u>Dario Dekel</u>	<u>Irena Levin</u> <u>GTEP</u>
<u>GTEP Hydrogen Technologies Lab</u>	Chemical Engineering   Grand Technion Energy Program	<u>Dario Dekel</u>	<u>Yassin Karam</u> <u>GTEP</u>
<u>GTEP Energy Storage Complex</u>	Material Science   DeJur	<u>Yair Ein Eli</u>	



## Materials

Research Infrastructure (RI)	Faculty   Department   Building	Academic Head	Professional Head   Head of Administration
<u>Material Mechanics Center</u>	Mechanical Engineering	<u>Daniel Rittel</u>	<u>Ziv Keren</u>
<u>Materials Electron Microscopy</u>	Material Science   DeJur	<u>Yehonadav Bekenstein</u>	<u>Yaron Kauffmann</u>
<u>RBNI FIB (Focused Ion Beam Microscope) Lab</u>	EE. (Zisapel Center)	<u>Gad Eisenstein</u> <u>Lior Kornblum</u>	<u>Larisa Popilevsky</u>
<u>RBNI Sputtering Lab</u>	EE. (Zisapel Center)	<u>Gad Eisenstein</u>	<u>Andrey Wolf</u>
<u>Russell Berrie Nanotechnology Ins.</u>	Multiple sites		<u>Tanya Ashkenazi</u>
<u>Scanning probe microscopy (SPM) lab. including scanning tunneling microscopy (STM) and atomic force microscopy (AFM)</u>	Solid State Institute	<u>Yachin Ivry</u>	<u>Cecile Saguy</u>
<u>The Technion Center for Electron Microscopy of Soft Matter</u>	Chemical Engineering	<u>Yeshayahu Talmon</u> <u>Tamar Segal-Peretz</u>	<u>Olga Kleinerman</u>
<u>Surface science lab, XPS, ToF-SIMS, UPS</u>	Solid State Institute	<u>Moti Segev</u>	<u>Kamira Weinfeld- cohen</u>
<u>The Israel Institute of Materials Manufacturing Technologies</u>	Maydan   DeJur	<u>Daniel Safranchik</u>	<u>Keren Zohar Hauber</u>
<u>The Lab for Physical Measurements, physical properties of materials</u>	Material Science   DeJur	<u>Luai Huri</u>	<u>Inna Zeltser</u>
<u>The Quantum Matter Research center (QMR)</u>	Physics	<u>Amit Keren</u> <u>Amit Kanigel</u>	<u>Anna Eyal</u>
<u>XRD Materials</u>	Materials Science   Greenbaum	<u>Yoav Kalcheim</u>	<u>Yael Etinger-Geller</u>



## Engineering

Research Infrastructure (RI)	Faculty   Department   Building	Academic Head	Professional Head   Head of Administration
<u>Asher Space Research Institute</u>	Aerospace Engineering	<u>Yoram Rozen</u>	<u>Lee Nudel</u>
<u>CAMERI-Coastal &amp; Marine Engineering Research Institute Ltd.</u>	Civil Engineering	<u>Rotem Cohen</u>	<u>Orly Cohen</u>
<u>National Building Research Institute (NBRI)</u>	NBRI (805)	<u>Rafael Sacks</u>	<u>Anat Avital</u> <u>Itzhak Elhanan</u>
<u>The Helen Diller Quantum Center</u>	Multiple sites	<u>Joseph Avron</u>	<u>Tanya Ashkenazi</u>
<u>Technion Autonomous Program</u>	Lady Davis	<u>Daniel Weihs</u>	<u>Lilach Berger</u>
<u>Technion Wind Tunnel Complex</u>	Aerospace Engineering	<u>Gil Iosilevskii</u>	<u>Mark Koifman</u>
<u>Transportation Research Institute</u>	Civil Engineering   Borovich	<u>Jack Haddad</u>	<u>Evelyne Ami</u>



## Learning & Teaching

Research Infrastructure (RI)	Faculty   Department   Building	Academic Head	Professional Head   Head of Administration
<u>The Center for the Promotion of Learning and Teaching</u>	Ulman	<u>Ido Roll</u>	<u>Olga Chuntanov</u>
<u>Technion libraries</u>	Multiple sites	<u>Yeger Moti</u>	<u>Dikla Ayalon</u>

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