

Save the Date Grand Opening Celebration

of the Technion Virtual Reality and Visualization Laboratory
Faculty of Architecture and Town Planning

3 4 5 | 11 | 2013

International speakers:

Prof. Eckart Lange. Department of Landscape, University of Sheffield, UK

Prof. Dr. Christoph Hölscher. ETH Zurich, Switzerland, extra-curricular professor at University of Freiburg, Germany, Center for Cognitive Science.

Prof. Bin Jiang. Department of Technology and Built Environment, University of Gävle, Sweden

Prof. Stephen R.J. Sheppard (Teleconference). Department of Forest Resources Management, Faculty of Forestry, The University of British Columbia Vancouver, British Columbia Canada

Tel Aviv University speakers:

Prof. Itzhak Benenson. Head Department of Geography, Tel-Aviv University

Head The Geosimulation and Spatial Analysis Lab

Dr. Efrat Blumenfeld-Lieberthal. The David Azrieli School of Architecture, The Yolanda and David Katz Faculty of the Arts, Tel Aviv University

Prof. Itzhak Omer. Department of Geography and Human Environment

Head of the Urban Space Analysis Laboratory, Tel-Aviv University

Technion speakers:

Prof. Yehuda Kalay, Prof. Daniel Czumanski,

Ass. Prof. Dafna Fisher-Gewirtzman,

Ass. Prof. Daniel Orenstein, Ass. Prof. Michelle Portman,

Dr. Efrat Eizenberg, Dr. Els Verbakel, Dr. SeungWan Hong,

Ass. Prof. Yasha Grobman, Dr. Hagit Zimroni

Arch. Asya Natapov, PhD candidate,

Arch. Marina Toger, PhD candidate,

Arch. Davide Schaumann, PhD Candidate,

Semion Polinov, M.Sc. student, Olga Shain, M.Sc. student

הפקולטה לארכיטקטורה ובינוי ערים שמחה להזמין אתכם לסמינר בינלאומי אינטרדיסציפלינארי לכבוד פתיחת

מעבדת הוויזואליזציה

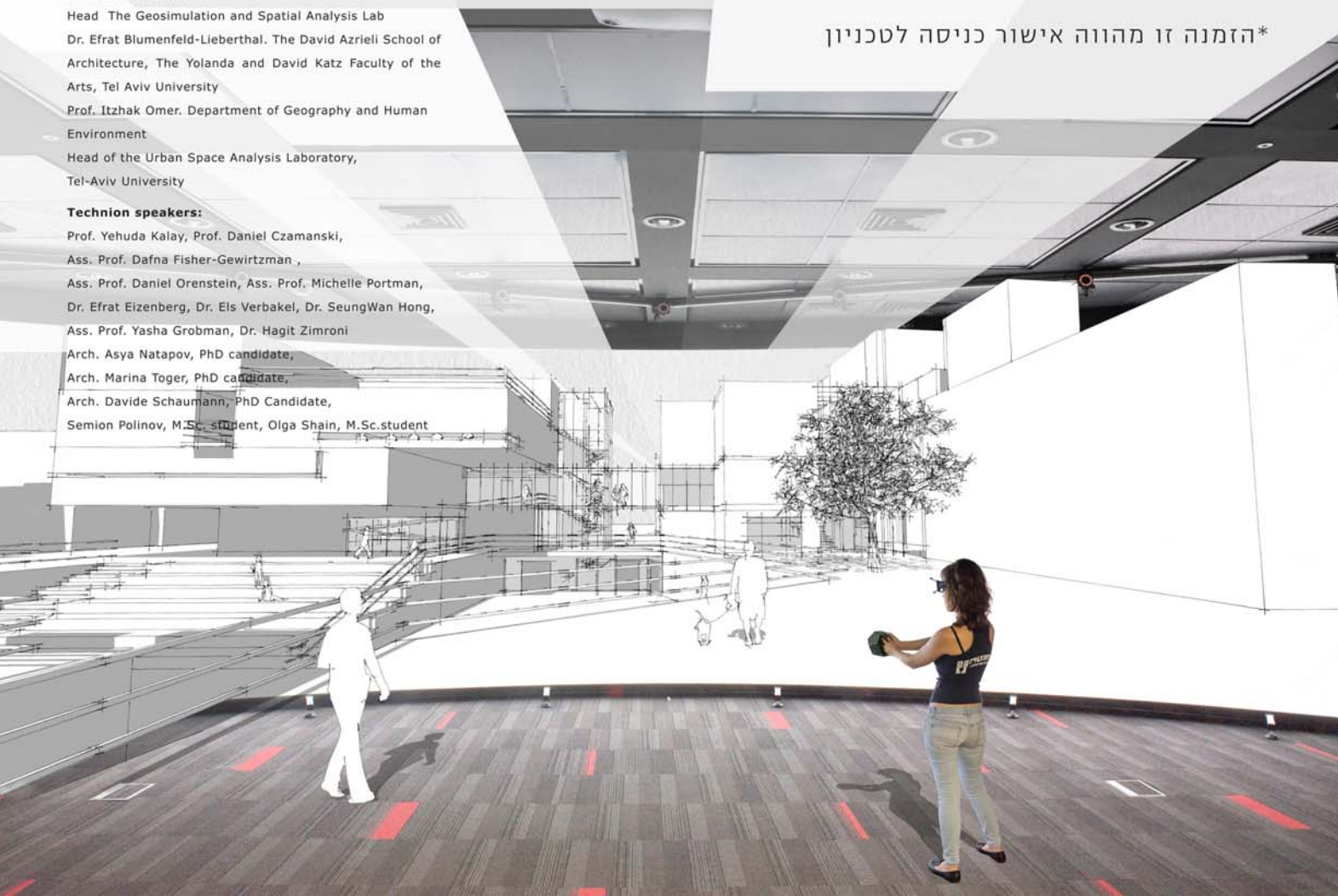
מפגש מרתק בין ארכיטקטורה, אדריכלות נוף, תכנון ערים ואזורים ועיצוב תעשייתי לבין טכנולוגיות הוויזואליזציה וניתוח המרחב

הנכם מוזמנים לאירועי פתיחת המעבדה, הרצאות אורחים וחברי סגל והדגמות במעבדה

יום א' 3.11 14:30 פתיחה חגיגית של המעבדה בנוכחות נשיא הטכניון פרופ' פרץ לביא ודיקן הפקולטה לארכיטקטורה פרופ' יהודה קלעי

יום א' 3.11 18:00 הרמת כוסית והרצאה פומבית של מרצים מחו"ל באולם בנג'מין

*הזמנה זו מהווה אישור כניסה לטכניון





הנכם מוזמנים

לאירוע פתיחה חגיגי של מעבדת הוויזואליזציה בפקולטה לארכיטקטורה ובנוי ערים בהשתתפות מרצים אורחים

3 | 11 | 2013

יום ראשון 18:00-19:00, אולם בנג'מין, בניין סגו
*כיבוד קל יוגש לפני הרצאה

- 18:00 Greetings
Prof. Yehuda Kalay
Dean – Faculty of Architecture and Town Planning, Technion
- 18:10 Visual representation and beyond
Prof. Eckart Lange
Department of Landscape, University of Sheffield, UK
- 18:25 Virtual reality for evidence-based wayfinding design
Prof. Dr. Christoph Hölscher
ETH Zurich, Switzerland, extra-curricular professor at University of Freiburg, Germany, Center for Cognitive Science
- 18:40 Why human beings are no different from monkeys in forming mobility patterns?
Prof. Bin Jiang
Department of Technology and Built Environment, University of Gävle, Sweden

אירוע הפתיחה הוא חלק מסמינר בינלאומי אינטרדיסציפלינארי המתקיים בפקולטה בין 3-5 בנובמבר:
Spatial Analysis and Cognition in Architecture, Landscape, Urban Planning and Industrial Design
נשמח לראותכם בהרצאות וההדגמות במעבדה במסגרת הסמינר.

הזמנה זה מהווה אישור כניסה לטכניון

vizworld



International interdisciplinary workshop



Spatial Analysis and Cognition in Architecture, Landscape, Urban Planning and Industrial Design

Grand Opening Celebration

of the Technion Virtual Reality and Visualization Laboratory
Faculty of Architecture & Town Planning
Technion - Israel Institute of Technology
Technion City, Haifa, Israel

Program

International Invited speakers:

Prof. Eckart Lange
Department of Landscape, University of Sheffield, UK
Prof. Dr. Christoph Hölscher
Department of Cognitive Science, ETH Zurich, Switzerland; previously assistant and extra-curricular professor at University of Freiburg, Germany, Center for Cognitive Science. University of Freiburg, Germany
Prof. Bin Jiang
Department of Technology and Built Environment, University of Gävle, Sweden
Prof. Stephen R.J. Sheppard (Teleconference)
Department of Forest Resources Management, Faculty of Forestry, The University of British Columbia Vancouver, British Columbia Canada
Kartikeya Date
PhD Candidate, Department of Architecture, UC Berkeley

Tel Aviv University speakers

Prof. Itzhak Benenson
Head Department of Geography, Tel-Aviv University
Head The Geosimulation and Spatial Analysis Lab
Dr. Efrat Blumenfeld-Lieberthal
The David Azrieli School of Architecture
The Yolandia and David Katz Faculty of the Arts, Tel Aviv University
Prof. Itzhak Omer
Department of Geography and Human Environment
Head of the Urban Space Analysis Laboratory, Tel-Aviv University

Technion speakers:

Prof. Yehuda Kalay, Prof. Daniel Czamanski, Dr. Els Verbakel
Ass. Prof. Dafna Fisher-Gewirtzman, Dr. Efrat Eizenberg
Ass. Prof. Daniel Orenstein, Ass. Prof. Michelle Portman,
Ass. Prof. Yasha Grobman, Dr. SeungWan Hong
Dr. Hagit Zimroni, Arch. Asya Natapov, PhD candidate,
Arch. Davide Schaumann, PhD candidate
Arch. Marina Toger, PhD candidate
Semion Polinov, M.Sc. student
Olga Shain, M.Sc. Industrial Design

Workshop organizers

Assistant Prof. Dafna Fisher-Gewirtzman
Arch. Asya Natapov, PhD candidate
Limor Abas-Or, Event coordinator

Advising committee

Dr. Efrat Eizenberg
Prof. Daniel Czamanski
Ass. Prof. Daniel Orenstein

9:45-10:00
Faculty Meeting room, Sego building 240
10:00-13:10

Registration
Greetings:
Dean Prof. Yehuda Kalay
Seminar lectures
Chair: Prof. Daniel Czamanski

10:00-10:40
Prof. Christoph Hölscher
Virtual reality for evidence-based wayfinding design

10:40-11:10 **Coffee Break**

11:10-11:50
Prof. Itzhak Benenson
Mathematics of the crowds

11:50-12:30
Dr. Efrat Blumenfeld-Lieberthal
Using Virtual Reality in Real Time systems in urban research and planning

12:30-13:10
Prof. Itzhak Omer
Structural and cognitive aspects of pedestrian volume modeling

13:10-14:30
Technion Faculty Association building
Lunch Break

14:30-15:30
VizLab, Sego Computer Lab
The Opening of the Technion Visualization Laboratory
Chair: Ass.Prof. Dafna Fisher-Gewirtzman
Greetings:
Prof. Peretz Lavie, President of the Technion
Prof. Yehuda Kalay, Dean-Faculty of Architecture and Town Planning

14:45-15:00
1 **Prof. Christoph Hölscher**
Virtual reality for evidence-based wayfinding design

15:00-15:15
2 **Dr. Efrat Blumenfeld-Lieberthal**
Using Virtual Reality in Real Time systems in urban research and planning

15:15-15:30
3 **Prof. Itzhak Benenson**
The model of traffic accidents

15:30-16:30
Chair: Dr. Efrat Eizenberg
Round table discussion with the faculty

16:30-16:45
Faculty Meeting room, Sego building 240
Coffee Break

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16:45-18:00
Faculty labs tour (Optional)
Personal time break

18:00-19:00
Benjamin Hall, Sego building
Keynote lecture
Chair: Ass. Prof. Dafna Fisher-Gewirtzman
Greetings:
Prof. Yehuda Kalay

18:10-18:25
Prof. Eckart Lange
Visual representation and beyond
18:25-18:40
Prof. Christoph Hölscher
Virtual reality for evidence-based wayfinding design

18:40-18:55
Prof. Bin Jiang
Why human beings are no different from monkeys in forming mobility patterns?

19:30 **Dinner**

10:00-12:00
VizLab, Sego Computer Lab
VizLab demonstrations
Chair: Dr. Meirav Aharon

10:00-10:40
VisLab Teleconference
Prof. Stephen R.J. Sheppard
Changing climate, changing landscapes, changing minds: a new imperative for visualization

10:40-11:00 **Coffee Break**

11:00-11:10
4 **Dr. Hagit Zimroni**
Ass.Prof. Daniel Orenstein
Dr. Efrat Eizenberg
Carmel landscapes: people, perceptions and visualization

11:10-11:20
5 **Dr. SeungWan Hong**
The affordance of human behavior simulation for architectural design studio

11:20-11:30
6 **Ass.Prof. Michelle Portman**
Ass.Prof. Daniel Orenstein
Semion Polinov
Ecosystem services assessment from the mountain to the sea: A multidisciplinary method for defining ecosystem service indicators across landscape units

11:30-11:40
7 **Ass.Prof. Yasha Grobman**
Perception and visualisation of complex geometry

11:40-11:50
8 **Arch. Asya Natapov**
Exploring visibility of urban location in virtual reality environment

13:10-14:30
Technion Faculty Association building
Lunch Break

13:30-16:00
Sego building, room 404
Chair: Ass.Prof. Daniel Orenstein

4 November 2013

13:30-14:10
Colloquium lecture
Prof. Eckart Lange
Visual representation and beyond

Short seminar lectures

Faculty Meeting room, Sego building
14:30-14:45
Dr. Els Verbakel
Datascaping the city: recombinant mapping for urban design
Prof. Yehuda Kalay
Cultural Informatics: museums in the age of new media
15:00-15:15
Prof. Daniel Czamanski
Agent-based modelling, microsimulation and regional science
Arch. Kartikeya Date
On the role of immersion during sketching in early architectural design
15:15-15:30

15:30-15:50 **Coffee Break**

15:50-17:05
VizLab, Sego Computer Lab
VizLab demonstrations
Chair: Arch. Asya Natapov

15:50-16:05
9 **Prof. Eckart Lange**
Widening the user base

16:05-16:20
10 **Prof. Bin Jiang**
Why human beings are no different from monkeys in forming mobility patterns?

16:20-16:35
11 **Arch. Marina Toger**
The evolution of open space network in Haifa

16:35-16:50
12 **Arch. Davide Schaumann**
Human behavior simulation in built environments

16:50-17:05
13 **Olga Shain**
3D freehand sketching in a virtual reality: hand gestures interaction and 3D UI development with user studies

17:05-17:20
14 **Ass.Prof. Dafna Fisher-Gewirtzman**
Initiating the VISLAB for calibrating a quantitative/qualitative 3D LOS visibility analysis model for urban environments

17:20-18:00 **Personal time break**

18:00-20:00 **Site seeing in Haifa**

20:00 **Dinner**

5 November 2013

10:00-10:40
Faculty Meeting room, Sego building 240
Seminar lecture
Chair: Assistant Prof. Michelle Portman

10:00-10:40
Prof. Bin Jiang
Head/Tail breaks for spatial analysis, visualization, and cognition

10:40-11:40
Round table discussions with faculty---follow-up
Chair: Assistant Prof. Michelle Portman

11:40-13:00
Faculty Meeting room, Sego building 240
Personal meetings with faculty members and graduate students

12:00-13:00
Faculty Meeting room, Sego building 240
Lunch Break

13:00-19:00
Study tour in and out of Haifa
Guides: Ass.Prof. Daniel Orenstein
Assoc. Prof. Nurit Lissovsky
Haifa University
Carmel park
Caesarea
Dinner in Caesarea

International Invited speakers

Tel Aviv University speakers

Faculty of Architecture and Town Planning speakers

VizLab demonstration

Round table discussion