



**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.

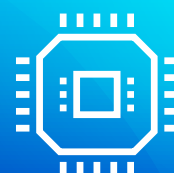
Prof. Noam Adir  
Executive Vice President for Research  
2024, Technion, Haifa



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[Computing](#)



[Fabrication](#)



[Energy](#)



[Materials](#)



[Engineering](#)



[Learning & Teaching](#)



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Help Desk](#)

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

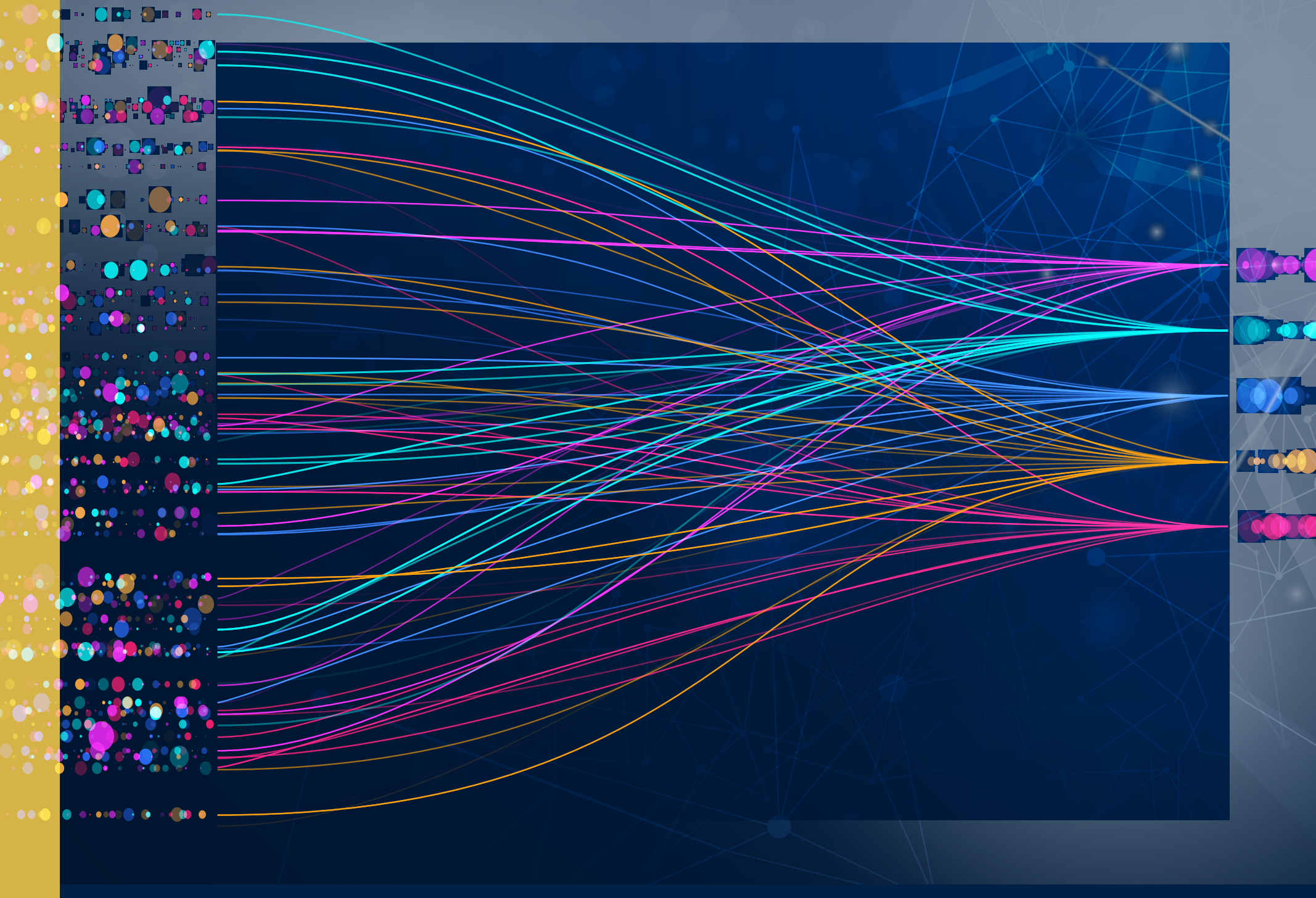
Research Infrastructure (RI)	Faculty   Department   Building	Academic Head	Professional Head   Head of Administration
<a href="#">Azrieli Technion Genomics Center (ATGC)</a>	Emerson   Medicine	<a href="#">Shai Shen-Orr</a>	<a href="#">Liat Linde</a>
<a href="#">Biomedical Core Facility</a>	Medicine	<a href="#">Izhak Kehat</a>	<a href="#">Ofer Shenker</a>
<a href="#">Chemical and Surface Analysis</a>	Chemistry	<a href="#">Yoav Eichen</a>	<a href="#">Rachel Edrei</a>
<a href="#">Carasso FoodTech Innovation Center</a>	Biotechnology & Food Engineering	<a href="#">Uri Lesmes</a>	<a href="#">Asher Shazman</a>
<a href="#">May-Blum-Dahl Technion Human MRI Research Center</a>	Malat	<a href="#">Moti Freiman</a>	<a href="#">Daphna Link-Sourani</a>
<a href="#">National Center for Imaging and Brain Stimulation</a>	Biomedical Engineering	<a href="#">Shulamit Levenberg</a>	<a href="#">Inbar Brosh</a>
<a href="#">NMR - Magnetic Resonance Center</a>	Chemistry	<a href="#">Graham de-Ruiter</a>	<a href="#">Shifi Kababya</a> <a href="#">Ira Ben Shir</a>
<a href="#">Pre-Clinical Research Authority</a>	Medicine   Gutwirth	<a href="#">Jackie Schiller</a>	<a href="#">Dvir Mintz</a>
<a href="#">Technion Center for Structural Biology</a>	Emerson	<a href="#">Oded Lewinson</a>	<a href="#">Yael Pazy Benhar</a>
<a href="#">Technion Center for Structural Biology - Computational</a>	Emerson	<a href="#">Oded Lewinson</a>	<a href="#">Fabian Glaser</a>
<a href="#">The Laura &amp; Isaac Perlmutter Metabolomics Center</a>	Medicine	<a href="#">Herman Wolosker</a>	<a href="#">Ofer Shenker</a> <a href="#">Ifat Gavish-Abramovich</a>
<a href="#">The Life Science and Engineering - LSE</a>	Emerson	<a href="#">Noga Ron Harel</a>	<a href="#">Maayan Duvshani Eshet</a>
<a href="#">The MS Lab</a>	Chemistry	<a href="#">Yoav Eichen</a>	<a href="#">Larisa Panz</a>
<a href="#">The Russell Berrie NNSCC Nanoparticles and Nanometric Systems Characterization Center</a>	Biotechnology and Food Engineering	<a href="#">Sima Yaron</a>	<a href="#">Sigal Eichler</a>
<a href="#">The Smoler Protein Research Center</a>	Emerson	<a href="#">Arie Admon</a>	<a href="#">Tamar Ziv</a>
<a href="#">X-Ray Lab</a>	Chemistry	<a href="#">Moris Eisen</a>	<a href="#">Natalia Fridman</a>
<a href="#">Zebrafish Research Facility</a>	Biomedical Engineering	<a href="#">Limor Freifeld</a>	<a href="#">Inbar Brosh</a>





## Computing

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





## Fabrication

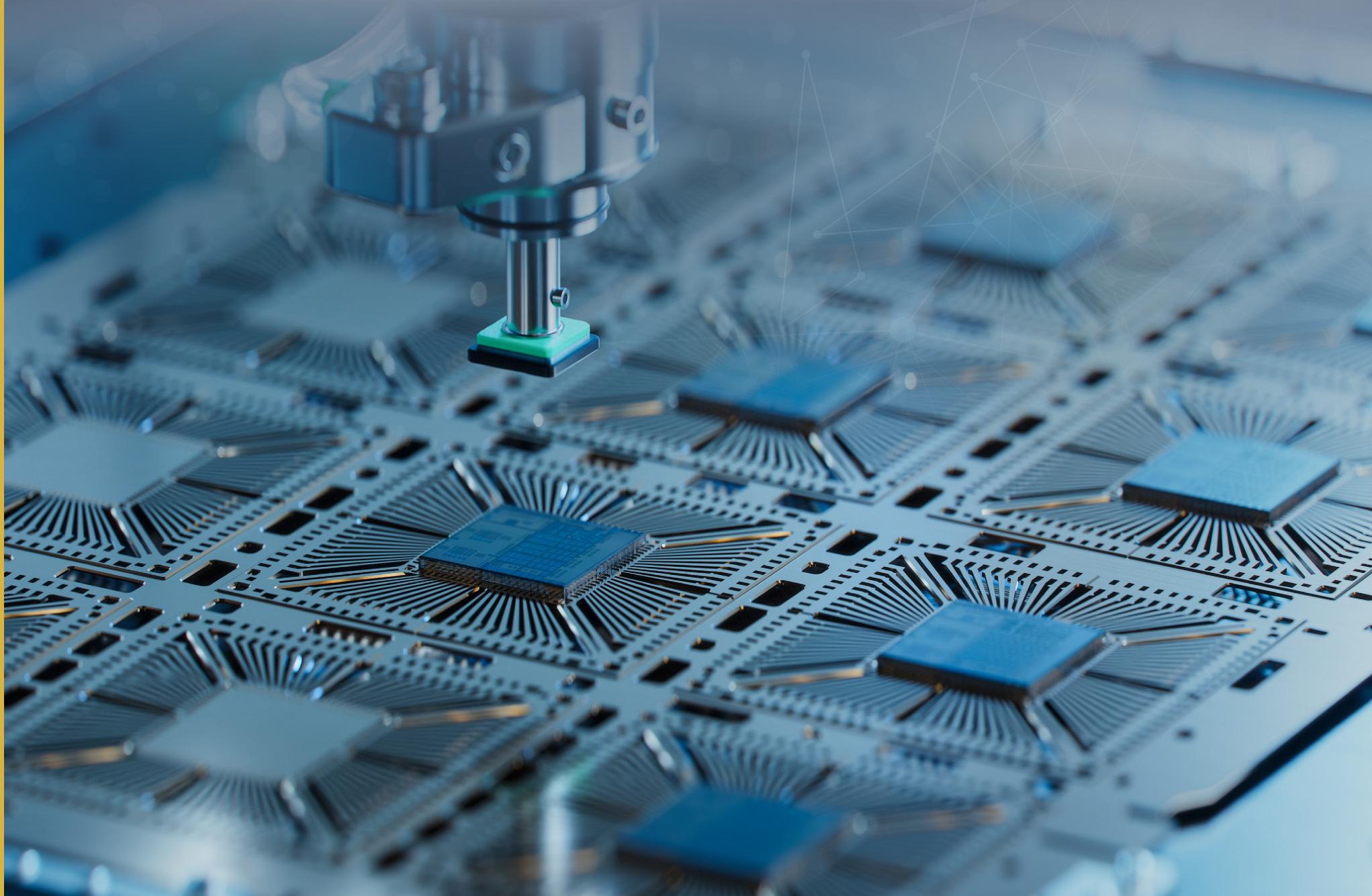
Research Infrastructure (RI)	Faculty   Department   Building	Academic Head	Professional Head   Head of Administration
<u>Architecture Resources Center</u>	Amado	<u>Isaac Guedi Capeluto Jacob (Yasha) Grobman</u>	<u>Ezra Ozery</u>
<u>2D Materials</u>	EE. (Zisapel Center)	<u>Yuval Yaish</u>	<u>Assael Cohen</u>
<u>3D Bioprinting Center</u>	Biomedical Engineering	<u>Shulamit Levenberg</u>	<u>Galia Ben-David</u>
<u>J.W. Ullmann Center for Manufacturing Systems and Robotics</u>	Mechanical Engineering	<u>Eyal Zussman</u>	<u>Kalman Maler</u>
<u>Mehoudar Center for Inventors</u>	Danciger Labs	<u>Ezri Terezi Reuven Katz</u>	<u>Boaz Drori</u>
<u>Sarah and Moshe Zisapel Nanoelectronics Center and Wolfson Microelectronic Center: Micro-Nano Fabrication Unit (MNFU)</u>	EE. (Zisapel Center)	<u>Guy Bartal</u>	<u>Eran Lipp</u>
<u>The Center of Research Facilities</u>	Mechanical Engineering	<u>Rene Van-Hout</u>	<u>Shir-Yam Paska</u>
<u>The Technion Additive Manufacturing Center 3D printing Center (TAMC)</u>	CS Taub	<u>Gershon Elber</u>	<u>Sigal Zemach</u>





## Energy

Research Infrastructure (RI)	Faculty   Department   Building	Academic Head	Professional Head   Head of Administration
<u>GTEP Fuel Cells Lab</u>	Chemical Engineering   Grand Technion Energy Program	<u>Dario Dekel</u>	<u>Irena Levin</u> GTEP
<u>GTEP Hydrogen Technologies Lab</u>	Chemical Engineering   Grand Technion Energy Program	<u>Dario Dekel</u>	<u>Karam Yassin</u> GTEP
<u>The Leona M. and Harry B. Helmsley Charitable Trust Energy Storage Complex</u>	<u>Material Science   DeJur</u>	<u>Yair Ein-Eli</u>	<u>Yair Ein-Eli</u>
<u>GTEP Energy Storage Complex</u>	Material Science   DeJur	<u>Yair Ein-Eli</u>	<u>Yair Ein-Eli</u>





## Materials

Research Infrastructure (RI)	Faculty   Department   Building	Academic Head	Professional Head   Head of Administration
<u>EMC – The Electron Microscopy Center</u>	Material Science   DeJur	<u>Yehonadav Bekenstein</u>	<u>Yaron Kauffmann</u>
<u>Material Mechanics Center</u>	Mechanical Engineering	<u>Daniel Rittel</u>	<u>Ziv Keren</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>Gad Eisenstein</u>	<u>Tanya Ashkenazi</u>
<u>Surface Characterization Center</u>	Solid State Institute	<u>Yachin Ivry</u> <u>Moti Segev</u>	<u>Cecile Saguy</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>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>X-Ray Diffraction Laboratory</u>	Materials Science   Greenbaum	<u>Yoav Kalcheim</u>	<u>Yael Etinger-Geller</u>
<u>XRD Materials</u>	Materials Science   Greenbaum	<u>Yoav Kalcheim</u>	<u>Yael Etinger-Geller</u>





## Engineering

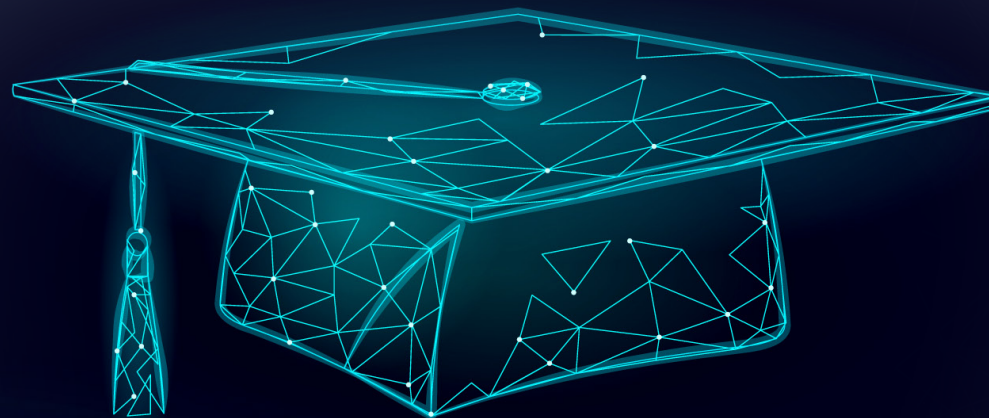
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<a href="#">Asher Space Research Institute</a>	Aerospace Engineering	<a href="#">Yoram Rozen</a>	<a href="#">Lee Nudel</a>
<a href="#">CAMERI-Coastal and Marine Engineering Research Institute Ltd.</a>	Civil Engineering	<a href="#">Rotem Cohen</a>	<a href="#">Orly Cohen</a>
<a href="#">Stephen and Nancy Grand Water Research Institute (GWRI)</a>	Stephen & Nancy Grand Water Research Institute   Civil Engineering	<a href="#">Eran Friedler</a>	<a href="#">Yair Farber</a>
<a href="#">National Building Research Institute (NBRI)</a>	National Building Research Institute	<a href="#">Rafael Sacks</a>	<a href="#">Itzhak Elhanan</a>
<a href="#">Technion Autonomous Program</a>	Lady Davis	<a href="#">Daniel Weihs</a>	<a href="#">Lilach Berger</a>
<a href="#">Technion Wind Tunnel Complex</a>	Aerospace Engineering	<a href="#">Gil Iosilevskii</a>	<a href="#">Mark Koifman</a>
<a href="#">The Helen Diller Quantum Center</a>	Multiple sites	<a href="#">Joseph Avron</a>	<a href="#">Tanya Ashkenazi</a>
<a href="#">Transportation Research Institute</a>	Civil Engineering   Borovich	<a href="#">Jack Haddad</a>	<a href="#">Evelyne Ami</a>





## 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 Chuntonov</u>
<u>Technion libraries</u>	Multiple site	<u>Yeger Moti</u>	<u>Dikla Ayalon</u>



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