



Technion ERC Team 2014/16

Horizon 2020 Framework

European Research Council

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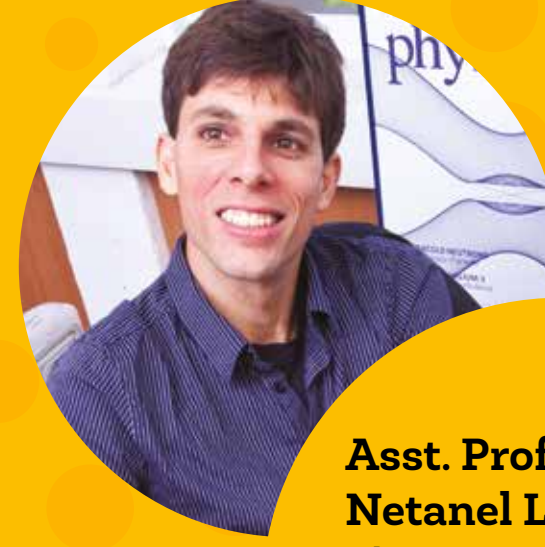
Asst. Prof. Moran Bercovici
Mechanical Engineering

- Dynamic Microfluidic Structures for Analysis of Single Cell Systems



Asst. Prof. Mirela Ben-Chen
Computer Science

- Operator Based Representations for Geometry Processing



Asst. Prof. Netanel Lindner
Physics

- Expanding the Topological Frontier in Quantum Matter: from concepts to future applications



Assoc. Prof. Emanuel Milman
Mathematics

- High-Dimensional Convexity, Isoperimetry and Concentration via a Riemannian Vantage Point



Assoc. Prof. Tomer Shlomi
Computer Science

- Cancer Cellular Metabolism across Space and Time



Asst. Prof. Carmel Rotschild
Mechanical Engineering

- New Thermodynamic for Frequency Conversion and Photovoltaics



Asst. Prof. Reut Shalgi
Medicine

- Cracking the Translation Regulatory Code



Asst. Prof. Avi Schroeder
Chemical Engineering

- Next-Generation Personalized Diagnostic Nanotechnologies for Predicting Response to Cancer Medicine



Assoc. Prof. Nir Ailon
Computer Science

- Speed-Information Tradeoffs: beyond quasi-entropy analysis



Asst. Prof. Josué Sznitman
Biomedical Engineering

- Unravelling Respiratory Microflows *in silico* and *in vitro*: novel paths for targeted pulmonary delivery in infants and young children



Prof. Yonina Eldar
Electrical Engineering

- Breaking the Nyquist Barrier: a new paradigm in data conversion and transmission



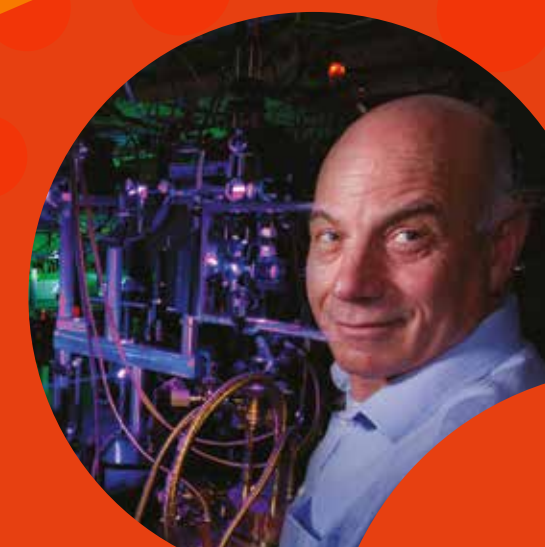
Assoc. Prof. Debbie Lindell
Biology

- Distinct Infection Dynamics and Ecological Success among Closely Related Marine Cyanophages: why the differences?



Prof. Shy Shoham
Biomedical Engineering

- Advanced Holographic Optical Neural Stimulation for Vision Restoration and Basic Research



Prof. David Gershoni
Physics

- Deterministic Generation of Polarization Entangled Single Photons Cluster States



Dist. Prof. Shlomo Shamai (Shitz)
Electrical Engineering

- Cloud Wireless Networks: an information theoretic framework

— STARTING

— CONSOLIDATOR

— ADVANCED

Technion congratulates its ERC grant recipients



European Commission

Horizon 2020
European Union funding
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