



Technion ERC Team 2014/16

Horizon 2020 Framework

European Research Council

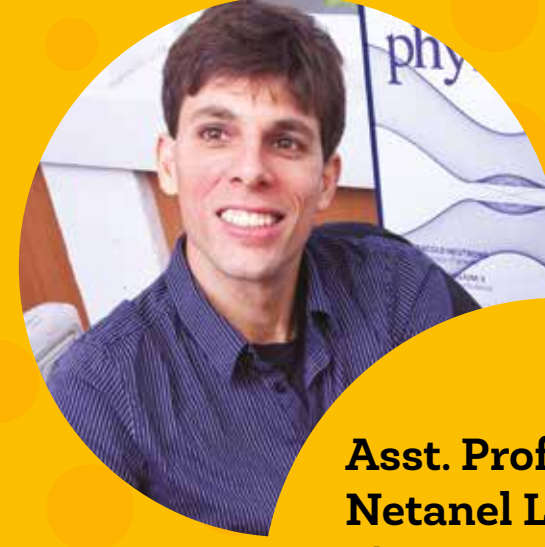
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Asst. Prof. Moran Bercovici
Mechanical Engineering
— Dynamic Microfluidic Structures for Analysis of Single Cell Systems



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



Prof. Shy Shoham
Biomedical Engineering
— Advanced Holographic Optical Neural Stimulation for Vision Restoration and Basic Research



Assoc. Prof. Debbie Lindell
Biology
— Distinct Infection Dynamics and Ecological Success among Closely Related Marine Cyanophages: why the differences?



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



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