

**IVS-2021 Excellence Early-Career Award for Research**  
**Tamar Segal-Peretz (Technion)**



Tamar Segal-Peretz is an Assistant Professor at the Wolfson Department of Chemical Engineering, Technion- Israel Institute of Technology. She received her PhD from the Technion followed by a Director's Postdoctoral Fellowship at Argonne National Laboratory and at the Institute for Molecular Engineering at the University of Chicago. Dr. Tamar Segal-Peretz is developing innovative approaches for nanostructure fabrication using atomic layer deposition (ALD) within polymers and harnessing these approaches for 3D nanomanufacturing, optical coatings, and advanced membranes for water treatment technologies. She also develops and utilises various 2D and 3D electron microscopy characterization techniques to probe nanostructures.

**IVS-2021 Excellence Award for Surface Science Expertise**  
**Hagit Aviv (BIU)**



Hagit Aviv completed her M.Sc and Ph.D at Bar-Ilan University under the supervision of Prof. Margel in the field of polymers. Later, she focused on developing new techniques for materials characterization, mostly by AFM and Raman Spectroscopy. Some of her previous works included novel contrast agents, bacterial identification utilizing Raman spectra, chirality determination in solids, among other works. Her efforts are directed to the interfaces between research fields, and this is where she aims to continue and initiate collaborations for more interesting multidisciplinary projects.

**IVS-2021 Excellence Award for Outstanding Female Scientist  
Dina Rosenberg (TAU)**



I am currently at the concluding stages of my PhD studies in Prof. Sharly Fleischer's lab at Tel Aviv University, where I have performed ultrafast Near-IR and THz spectroscopy of gas phase molecules. The focus of my research was on rotational echo spectroscopy and the coherent dynamics of rotational systems. I will begin my post-doc research this January in

Prof. Jun Ye's lab at the JILA institute in Boulder, Colorado, in the field of high-precision molecular spectroscopy with Near-IR frequency combs.

### **IVS-2021 Excellence Award for Technical Skills**

**Itamar Padel (BIU)**



I have been working in an electronics workshop in the Faculty of Exact Sciences for about 27 years. As part of the work, I carry out maintenance and repairs on analytical devices machineries of Cryogenic refrigerators, X-Ray Diffraction, Mass spectroscopy, Nuclear Magnetic Resonance at the Department of Chemistry and Physics. I help make modifications and improvements to the existing systems of these devices and help build new systems. The work here is challenging and exciting, and I try to do my best.