החברה הישראלית לכימיה
THE ISRAEL CHEMICAL SOCIETY
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February 15, 2020

Dear ICS members,

It is my great pleasure to announce that the 2019 Tenne Family Prize in memory of Lea Tenne for Nanoscale Sciences will be awarded to **Prof. Adi Salomon** of Bar-Ilan University for her pioneering works on nanoporous metallic networks and the interaction of light with hybrid nanoscale metal-molecule systems.

Prof. Adi Salomon
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Adi Salomon was born in 1975, grew up in Givatayim and obtained her B.Sc. in Chemistry (Summa cum Laude) from Tel Aviv University in 1999. She received her M.Sc. in Materials Science (2001) and Ph.D. (2007, both with honors) from the Weizmann Institute under the supervision of Prof. David Cahen, during which she had the chance to develop a broad scientific background in surface chemistry, semi-conductors and electron transport through organic molecules. Her Ph.D. thesis was recognized by the John F. Kennedy prize, the Schmitt prize and the Knesset award. Her postdoctoral research in France with Thomas W. Ebbesen (2007-9) focused on the interactions between molecules and surface plasmons. She was the first to demonstrate the dynamics of interaction between surface plasmons and molecules. During her second postdoctoral research at the Weizmann Institute she developed, together with Prof. Yehiam Prior, a model of interactions between molecules immersed in a 'plasmonic field'. During the same time, she performed experimental work with Prof. Joseph Zyss at the Ecole Normale Superieure (ENS-Cachan, France) where she did pioneering work regarding non-linear responses from metallic nanostructures. In 2013 Salomon joined the Department of Chemistry at Bar-Ilan University and became a principal investigator with BINA. She was promoted to Associate Professor in 2018. Her current work combines surface chemistry, advanced nanotechnology and non-linear optics for the generation of advanced optical materials having unique optical properties. Among her recent achievements are the large-scale nanoporous metallic networks, and tunable RGB pixels having the size of one micrometer. The scalability of the former makes it a rare example of an object connecting the nanoscale to the macroscoic world, and the latter is an elegant application of the cross-talk and long-range energy transfer between distant molecules through plasmonic excitations. Salomon was elected one of the 50 most influential women in Israel (2017), she received the Krill prize from the Wolf foundation (2018) and the Rector Prize for scientific achievement and innovation (2019). She was an Invited Professor with Paris Descartes University (2018) and is a Chateaubriand Fellow (2020).

The award ceremony will be part of the NANO.IL conference in Jerusalem, October 13-15, 2020. Congratulations to Adi for her achievements!

Ehud Keinan