12:00 Break - IPSFA Member Meeting

12:30 Parallel Sessions II

Plasma Science I
Chair: Yoav Hadas (Rafael)

- Yakov Krakov (Technion) Keynote: Research of underwater acoustical explosion of mines and strong shock waves generation

- Yitzhak Maron (WIS) Invited: Experimental determination of the thermal and turbulent jet motion in a stagnating plasma

- Don Levin (Rafael) Invited: From Plasma Science to Space Plasma Science

Galia Feingold (Technion) Contributed: A Numerical Investigation of MHD-DNA Ignited Ligns in Iso-Thermal Plasma

Amnon Fruchman (HIT) Contributed: Mass Separation by Oscillating Electromagnetic Fields

John G. Leopold (Technion) Contributed: A split-axial-as a radial type of virtual quadrupole for relativistic magnetrons

Marko Cvejic (WIS) Contributed: Effect of plasma rotation in an experiment of magnetic flux compression by an impinging plasma

14:30 Discussion

12:30 Parallel Sessions II

Soft and Biological Material
Chair: Ulyana Shimanovich (WIS)

- Fritz Volzert (University of Oxford) Keynote: Spider’s spider silk, a most intriguing class of materials

- Filipe Natao (WIS) Invited: Spin-synthetic biological fabrication of asbestos fibers with tailored properties

- Raya Sorin (TAU) Invited: The soft side of ultra-soft materials

- Ronit Bitton (BGU) Invited: Microscopic uses and meanings of nanostructured biopolymers and peptides

- Irit Rosenhak-Goldman (WIS) Contributed: Mechanical properties of fibrillar biomaterials: the role of hierarchical assembly in organismal development

- Chiara Danilo (CalTech) Keynote: Organic temperature and IR sensors

14:50 Discussion

15:10 Break

15:30 Parallel Sessions II

Plenary Session II:

- Paul S. Weiss (UCLA) Keynote: Atomically Precise Chemical, Physical, Electronic, and Spin Contacts

16:10 IVS Awards and Closing Remarks

16:30 IVS General Assembly