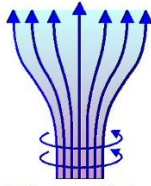


IPSTA



Israel Plasma Science &
Technology Association

Plasma Science, Technology & Applications

Auditorium 011, Faculty of Engineering, TAU

July 11, 2023

Workshop program

8:00-8:30	Welcome reception
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Morning session	
8:30-9:15	Asher Yahalom, Ariel University: "Variational Principles in Non-barotropic Magnetohydrodynamics and Topological Conservations Laws"
9:15-10:00	Raymond Boxman, TAU: "A tutorial on plasma deposition of thin films and coatings: principle and applications"
10:00-10:15	Coffee break
10:15-11:00	Yakov Krasik, Technion: "Non-linear interaction of ultra-high power sub-ns duration microwave pulse with plasma and neutrals" "High Energy Density physics research based on underwater electrical wire explosions"
11:00-11:45	Igal Kronhaus, Space plasma technologies, Inc., Space Plasmatcs, Ltd: " Methods of plasma plume diagnostics in Hall effect thrusters"

11:45-13:15	Lunch
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Afternoon session	
13:15-14:00	Noaz Nissim, SNRC: "The Israeli institute for research of nuclear fusion and hot plasma"
14:00-14:45	Eyal Kroupp, WIS: "Advancements in spectroscopic techniques and measurements for short-duration hot and dense plasmas"
14:45-15:00	Coffee break
15:00-15:45	Aharon Friedman, Ariel University: "Design, Implementation and Observations at the Israeli Tera Hertz Superradiant FEL"
15:45-16:30	Joseph Lefkowitz, Technion "Nanosecond-pulsed high-frequency discharges: An optimized approach to ignition for future propulsion"

Registration fee: 170 NIS

Payment via PayBox: <https://payboxapp.page.link/v6wBPx7qoPigNcAv6>

We are looking forward to seeing you

Sharon Waichman (NRCN), Raymond Boxman (TAU), and Amnon Fruchtman (HIT)

The organizing committee

Asher Yahalom (Ariel University), The chairman of IPSTA