

			Speaker	Plenary session
08:00	08:45	00:45		Welcome coffee
08:45	09:00	00:15	Amnon Harari: Head of the Technion High Speed Flight Center	Opening remarks
09:00	09:10	00:10	Prof Noam Adir: Executive Vice President for research of the Technion	Greetings
09:10	09:40	00:30	Erez Askell: Head of the National AI headquarter	Keynote Speaker : When the state of Israel Meets AI
09:40	10:00	00:20		Break to parallel sessions
<b>Session A: Aerodynamics</b>				
10:00	10:25	00:25	Igal Gluzman	Global skin friction measurement over arbitrary 3D geometries
10:25	10:50	00:25	Maxim Freydn	Computational Aero-Thermal-Elasticity in High-Speed Flows
10:50	11:15	00:25	Michael Karp	Transition to turbulence in supersonic flows – simulations and theoretical models
11:15	11:40	00:25	Jacob Cohen	Induced Transition to Turbulent in a Hypersonic Flow Over a Two-Dimensional Body
11:40	12:05	00:25	Vassilis Theofilis	Next-Gen Waveriders: Design, Analysis, Simulation, Ground Experimentation and Flight Testing
12:05	12:50	00:45		Lunch break
12:50	13:15	00:25	Hadar Ben-Gida	Induced Boundary Layer Transition by Gaps in Hypersonic Flows
13:15	13:40	00:25	Hadar Ben-Gida	Characterization of Supersonic Cavity Flow Oscillations due to Incoming Three-Dimensional Boundary Layer
13:40	14:05	00:25	Jacob Cohen	Measuring forces and moments in hypersonic facilities characterized by short test duration
14:05	14:30	00:25	David Greenblat	Ultra-Low-Cost Ludwieg Tube Wind Tunnel
14:30	14:50	00:20		Break
14:50	15:15	00:25	Jacob Cohen	Ludwieg Tube design

**Session B: Materials**

10:00	10:25	00:25	Tamar Segal Peretz	Improving composite materials properties for high-speed aviation using atomic layer deposition
10:25	10:50	00:25	Michael Shoham Patrascu	Activated 3D-printed structures for on-board catalytic cracking of jet-fuel: Materials and shape optimization
10:50	11:15	00:25	Yaron Amouyal and Maxim Sokol	Development of High-Temperature Coating Materials Based on MAX Phases
11:15	11:40	00:25	Tatiana Vompe	Development of thermal properties measurement methodology applicative for insulating materials in a temperature range up to 1000 C for high-speed aviation applications
11:40	12:05	00:25	Denis Zolotariov	UHTC
12:05	12:50	00:45		<b>Lunch Break</b>
12:50	13:15	00:25	Alex Katz	BJP of W/ZrC composites for high temperature applications
13:15	13:40	00:25	Shmuel Arieli	High Temperature Aluminides by PBF Manufacturing
13:40	14:05	00:25	Karin Makovsky	AM of Nickel based alloys
14:05	14:30	00:25	Ian Jacobi, Beni Cukurel	Hypersonic Transpiration Cooling and Drag Reduction via Additively Manufactured Materials
14:30	14:50	00:20		<b>Break</b>
14:50	15:15	00:25	Alex Terzis	Liquid Sheet Jet Impingement for Ultra-Sharp Leading-Edge Cooling
15:15	15:40	00:25	Shmuel Osovski	Predicting the Behavior of Ceramic Matrix Composites Using a Surrogate based Multiscale Modeling Approach
15:40	16:05	00:25	Beni Cukurel and Yaron Amouyal	Hypersonic Testing Thin-Film High-Temperature Thermocouples

**Session C: Propulsion + others**

10:00	10:25	00:25	Dan Michaels, Or Niv Kanuni	Conjugate Heat Transfer Models in Scramjets
10:25	10:50	00:25	David Yanuka	Radio communication blackout in hypersonic flight
10:50	11:15	00:25	Joe Lefkowitz	Combustion and Diagnostics for Hypersonic Flight
11:15	11:40	00:25	Eran Arad and Omri Ram	Startup Process of Hypersonic Air-Breathing Vehicle
11:40	12:05	00:25	Andy Thawko	Novel approach to control deflagration to detonation transition in mesoscale channels using plasma surface discharge
12:05	12:50	00:45		<b>Lunch Break</b>
12:50	13:15	00:25	Alon Gany	Investigation of Gas Generator Ramjets and Scramjets
13:15	13:40	00:25	Igal Gluzman	Cavitation mitigation in aviation cooling systems
13:40	14:05	00:25	Moshe Idan, Dan Michels, Michael Karp	Flight Control of a Hypersonic Vehicle with Scramjet Engine Constraints
14:05	14:30	00:25	Vitali Shaperman and Oded Golan	Hypersonic Pursuit-Evasion
14:30	14:50	00:20		<b>Break</b>
14:50	15:15	00:25	David Yanuka	Constrictor plasma diagnostics and modelling
15:15	15:40	00:25	Dan Michaels	Dual Mode Scramjet
15:40	16:05	00:25	Pini Gurfil and Hector Rotstein	Hypersonic Navigation