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Program for Wednesday, March 4, 2020
Dan Panorama Hotel, Tel Aviv

For most updated version, see [Agenda webpage](#)

Registration
08:00-09:00

Welcoming Address Hall A

09:00-09:05

Prof. Emeritus Alon Gany Chair, 60th IACAS
Organizing Committee

WeKLPL Hall A

Keynote Lecture (Plenary Session)

Chair: Gany, Alon Technion

09:05-09:50 WeKLPL.1

*Rapid Prototyping of Modern Aerospace Vehicles: The Aircraft
and Technology of Aurora Flight Sciences, 1989-2017...1*

Langford, John S. Aurora Life Sciences
Corporation

WePI1PL Hall A

**Plenary Lecture I - The Meir Hanin International Aerospace
Prize Lecture** (Plenary Session)

Chair: Shima, Tal Technion

09:50-10:40 WePI1PL.1

*How Could I Figure That Out? Functionality and Fun with
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Psiaki, Mark L. Virginia Tech

Coffee Break
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Chair: Rokita, Tomer Rafael / Technion

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Idan, Irit Rafael – Advanced Defense
Systems

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Tilman, Carl	Aerospace Vehicles Division, Aerospace Systems Directorate, US Air Force Research Laboratory

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Bar-Gill, Aharon	Technion
Shimkin, Nahum	Technion

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Shima, Tal		Technion
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Greenberg, J. Barry	Technion
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Eaves, Nickolas	University of Windsor
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Rozin, Natali	Technion
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Skrynychenko, Maksym	Technion
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Ben-Gida, Hadar	Israeli Air Force
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Poplingher, Lior	Israeli Air Force
Ben-Gida, Hadar	Israeli Air Force

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Matmon, Evyatar		Technion
Sayag, Tal		Technion
Nussbaum, Yasmin		Technion
Sayag, Amit		Technion
Naftaliev, Lidia		Technion
Karp, Ofek		Technion
Shtepman, Michael		Technion
Mayer, Ariel		Technion
Levinson, Kay		Technion
Haimovich, Amitai		Technion
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Hoze, Batchen		Technion
Jacob, Vaxman		Technion
Naveh, Oded		Technion

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Barel, Avraham	Technion
Brody, Noam	Technion
Eizenberg, Idan	Technion
Levy, Eliran	Technion
Green, Adi	Technion
Reuven, Kfir	Technion
Zohar, Gal	Technion
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Bujevic, Aldo	University of Split
Malenica, Hana	University of Split
Lukovic, Duje	University of Split
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Meir, Noam	Technion
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Ohana, Ravit	Ben-Gurion University of the Negev	
Klein, Renata	R.K. Diagnostics	
Bortman, Jacob	Ben-Gurion University of the Negev	
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Bikbulatov, Alexi	Israeli Air Force	
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Stalnov, Oksana	Technion	
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Gaissinski, Igor	Technion
Sherbaum, Valery	Technion
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Kootzenko, Michael	Technion
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Yosupov, Lior	Technion
Shpund, Shlomo	Rafael

WeL2T5

Hall E

**General Meeting of
the Israel Society of Aeronautics & Astronautics
17:00-18:00**

Dekel Hall

**Festive Dinner
(with vouchers only)
18:30-21:00**

Program for Thursday March 5, 2020 Technion, Haifa

Registration
08:30-09:00

Opening Address Churchill Auditorium

09:00-09:05

Prof. Tal Shima

Dean, Faculty of Aerospace
Engineering, Technion

Welcoming Address Churchill Auditorium

09:05-09:10

Prof. Uri Sivan

President, Technion

ThPI1PL Churchill Auditorium

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Chair: Rokita, Tomer

Rafael / Technion

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University of Michigan

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ThPI2PL

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Technion

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Delft University of Technology

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Wasserman, Mark	Israeli CFD Center	
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Coffee Break

15:35-16:00

ThL2T2	Room 150
Dynamical Systems and Control (Regular Session)	
Chair: Melman, Daniel	Rafael
16:00-16:25	ThL2T2.1
<i>Numerical Study of Different Variants of Dubins' Car Model...720</i>	
Munts, Nataly	Ural Federal University
16:25-16:50	ThL2T2.2
<i>Optimal Control Based Flight Control Law Clearance Using Generalized Polynomial Chaos...737</i>	
Diepolder, Johannes	Technical University of Munich
Ben-Asher, Joseph Z.	Technion
Piprek, Patrick	Technical University of Munich
Holzapfel, Florian	Technical University of Munich
16:50-17:15	ThL2T2.3
<i>Three-Dimensional Reachable Set at Instant for the Dubins Car: Properties of Extremal Motions...747</i>	
Patsko, Valery, S.	Institute of Mathematics and Mechanics (IMM), Ural Branch of The Russian Academy of Sciences
Fedotov, Andrey Anatol'evich	Institute of Mathematics and Mechanics (IMM), Ural Branch of The Russian Academy of Sciences
ThL2T3	Room 240
Modelling and Simulation II (Regular Session)	
Chair: Ben-Shmuel, Yaron	Rafael
16:00-16:25	ThL2T3.1
<i>Aircraft Damage Detection Using Metamodeling Techniques...N/A</i>	
Gur, Ohad	Israel Aerospace Industries
16:25-16:50	ThL2T3.2
<i>Vibroacoustic Validation and Method for Uncertainty Analysis...N/A</i>	
Silver, Jonathan	Israel Aerospace Industries
16:50-17:15	ThL2T3.3
<i>On the Limits of Blade-Element Model for High-Pitch Rotating-Wing...N/A</i>	
Gur, Ohad	Israel Aerospace Industries
17:15-17:40	ThL2T3.4
<i>Transport Airplane Electro-Hydrostatic Actuator for Primary Flight Control...764</i>	
Berlowitz, Ilan	IBAero Engineering

ThL2T4		Auditorium 235
Industrial Projects II (Regular Session)		
Chair: Cohen, Agnes		Elbit Systems - Land
16:00-16:25	ThL2T4.1	
<i>Solid Propellant Divert Control System for Rapid Translation and Maneuvering...873</i>		
Albagli, David	Rafael	
Safron, Michael	Rafael	
Regev, Itai	Rafael	
Lalush, Sagi	Rafael	
Libis, Natan	Rafael	
Ben Shabat, Yigal	IMoD	
16:25-16:50	ThL2T4.2	
<i>Design for Built-In Test and Methodology...874</i>		
Lukatsky, Igor	Israel Aerospace Industries	
16:50-17:15	ThL2T4.3	
<i>On Issues and Future Challenges in Aerospace Related Patents...N/A</i>		
Klein-Frucht, Malka	KFM Strategic IP	
17:15-17:40	ThL2T4.4	
<i>Relevance to Maintenance of Airborne Complex Systems...875</i>		
Rosenbloom, Elad	Israel Aerospace Industries	

ThL2T5		Room 241
Combustion and Reactive Flows II (Regular Session)		
Chair: Leitner, Amiram		Rafael
16:00-16:25	ThL2T5.1	
<i>Closed Mathematical Solution to the Deflagration Chapman-Jouguet Point by Using the Onsager Relationship...876</i>		
Sher, Eran	Technion	
Moshkovich Makrenko, Irena	Technion	
Cukurel, Beni	Technion	
16:25-16:50	ThL2T5.2	
<i>Experimental Study of Flame Stabilization in a Scramjet Combustor...N/A</i>		
Brod, Haim Elya	Technion	
Yokev, Neta	Technion	
Cao, Donggang	Technion	
Michaels, Dan	Technion	

16:50-17:15	ThL2T5.3
<i>Influence of Micro-Explosions on Spherical Flame Propagation through a Mist of Water-In-Fuel Droplets...N/A</i>	
Greenberg, J. Barry	Technion
Weinberg, Noam	Technion
ThL2T6	Room 165 (Library)
Flow Control II (Regular Session)	
Chair: Seifert, Avi	Tel Aviv University
16:00-16:25	ThL2T6.1
<i>Suction and Pulsed Blowing for Control of Local Wing-Engine-Slat-Cut Out Flow Separation: The INAFLOWT Project...880</i>	
Monat, Shay	Tel Aviv University
Possti, Maayan	Tel Aviv University
Ullah, Junaid	University of Stuttgart
Yaniv, Ariel	Tel Aviv University
Mizrahi, Bar	Tel Aviv University
Drori, Ofek	Tel Aviv University
Seifert, Avi	Tel Aviv University
16:25-16:50	ThL2T6.2
<i>The Influence of Cathodic Arc Jet on Separated Subsonic Flow Over Backward Facing Step...902</i>	
Rosen, Matar M.	Technion
Ronis, Anton	Technion
Kronhaus, Igal	Technion
16:50-17:15	ThL2T6.3
<i>Analysis of Unsteady Hypersonic Shock Boundary Layer Interactions...924</i>	
Tumuklu, Ozgur	University of Illinois at Urbana-Champaign
Sawant, Saurabh	University of Illinois at Urbana-Champaign
Levin, Deborah	University of Illinois at Urbana-Champaign
Theofilis, Vassilis	University of Liverpool