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**Program for Wednesday, March 9, 2016
Dan Panorama Hotel, Tel Aviv**

**Registration
08:00-09:00**

Welcoming Address Hall A

09:00-09:05

Harari, Amnon Chair, 56th IACAS
Organizing Committee

WeKLPL Hall A

Keynote Lecture (Plenary Session)

Chair: Harari, Amnon Directorate of Defense R&D,
Israel Ministry of Defense

09:05-09:50

WeKLPL.1

Innovation and the Future of Mankind N/A

Eden, Shmuel (Mooly) Ex-Senior V.P Intel Corp. &
President of Intel Israel;
Hi-Tech Advisor

WePI1PL Hall A

Plenary Lecture I (Plenary Session)

Chair: Blass, Emanuel Israel Aerospace Industries

09:50-10:40

WePI1PL.1

The High Tech Revolution and Its Impact on Air Power N/A

Rubin, Uzi Begin Sadat Center for
Strategic Studies,
Bar Ilan University

**Coffee Break
10:40-11:00**

WePI2PL Hall A

**Plenary Lecture II - by winner of *The Meir Hanin
International Aerospace Prize*** (Plenary Session)

Chair: Cohen, Jacob Technion

11:00-11:50

WePI2PL.1

*Vibration and Noise Reduction in Rotorcraft Using
On-Blade Control: From Theoretical Concept to Flight
Ready Hardware* N/A

Friedmann, Peretz Univ. of Michigan

WePI3PL	Hall A
Plenary Lecture III - Internationally Recognized Student Projects (Plenary Session)	

Chair: Yehoshua, Tal

Ministry of Defense

12:15-12:40

WePI3PL.1

*Development of an Autonomous Unmanned Aerial
System for AUVSI SUAS Competition 1*

Yaari, Sagiv	Technion
Dalali, Gal	Technion
Gutnik, Yevgeni	Technion
Marcovici, David	Technion
Lesovoy, Ilia	Technion
Rozengard, Haya	Technion
Nagar, Shaya	Technion
Mazor, Lilach	Technion
Behar, Niv	Technion
Hassidof, Avishai	Technion
Garti, Havaya	Technion
Artzi, Dror	Technion
Orr, Itai	Technion
Bouscher, Shlomi	Technion
Kulikov, Michael	Technion
Malkis, Dima	Technion
Ashur, Ori	Technion
Avraham, Ori	EE, Technion
Aides, Amit	Technion
Ratner, Netanel	Technion
Gazit, Hovav	Technion

12:15-12:40

WePI3PL.2

DBF 2015 – TAURNADO: Students UAV Design Project 23

Ventura, Elad	Tel Aviv Univ.
Kaniewicz, Nadav	Tel Aviv Univ.
Epstein, Leonid	Tel Aviv Univ.
Koren, Barak	Tel Aviv Univ.
Shimron, Yair	Tel Aviv Univ.
Avrahami, Gil	Tel Aviv Univ.
Keshet, Mor	Tel Aviv Univ.
Altman, Ofir	Tel Aviv Univ.
Mishan, David	Tel Aviv Univ.

Lunch
12:40-14:00

WeL1T1	Hall A
Guidance & Control (Regular Session)	
Chair: Cohen, Agnes	IMI Systems
14:00-14:25	WeL1T1.1
<i>A Two-On-One Differential Game for Imposing a Relative Intercept Angle</i> 47	
Shaferman, Vitaly	Vienna Inst. of Tech.
Shima, Tal	Technion
14:25-14:50	WeL1T1.2
<i>Optimal Guidance Around Circular Trajectories for Impact Angle Interception</i> 75	
Tsalik, Ronny	Technion
Shima, Tal	Technion
14:50-15:15	WeL1T1.3
<i>Intercept Angle Guidance Based Motion Planning</i> 110	
Tchuiev, Vladimir	Technion
Shima, Tal	Technion
15:15-15:40	WeL1T1.4
<i>Integrated Guidance-Autopilot Approach for Civil Autonomous Aerial Refueling</i> 123	
Weiss, Martin	Technion
Tsukerman, Alexander	Technion
Shima, Tal	Technion
Löbl, David	Tech. Univ. München
Holzapfel, Florian	Tech. Univ. München
15:40-16:05	WeL1T1.5
<i>Stability Enhancement of Parasitic Loops in Homing Systems Via Loop Shaping</i> 137	
Klein, Itzik	Technion
Rusnak, Ilan	Rafael

WeL1T2		Hall B
Propulsion & Combustion I (Regular Session)		
Chair: Levy, Yeshayahou		Technion
14:00-14:25		WeL1T2.1
<i>Advanced Vaporizer for Small Jet Engines</i> 148		
Levy, Yeshayahou		Technion
Gaissinski, Igor		Technion
Sherbaum, Valery		Technion
Roizman, Alexander		Technion
Erenburg, Vladimir		Technion
14:25-14:50		WeL1T2.2
<i>Flash Boiling Atomization of a Binary Mixture under Homogeneous Nucleation Regime</i> 168		
Levy, Moti		Technion
Levy, Yeshayahou		Technion
Sher, Eran		Technion
14:50-15:15		WeL1T2.3
<i>On Lifted Laminar Jet Spray Flames</i> 170		
Weinberg, Noam		Technion
Greenberg, J. Barry		Technion
15:15-15:40		WeL1T2.4
<i>Volumetric and Spray-Related Heat Loss Effects in Laminar Premixed Polydisperse Spray Flame Propagation</i> 189		
Katz, Gershon		Technion
Greenberg, J. Barry		Technion

WeL1T3		Hall C
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Chair: Oshman, Yaakov		Technion
14:00-14:25		WeL1T3.1
<i>Altruistic Approaches to Cooperative Estimation</i> 208		
Stein, Nitai		Technion
Oshman, Yaakov		Technion
14:25-14:50		WeL1T3.2
<i>A Pareto Based Comparison Approach for State Estimation of Nonlinear Algorithms</i> 248		
Benaloul, Oron		Rafael
Shimkin, Nahum		Technion
Rusnak, Ilan		Rafael
14:50-15:15		WeL1T3.3
<i>Optimal and Suboptimal State Estimation for Linear Systems with Additive Cauchy Noises</i> 265		
Fonod, Robert		Technion
Idan, Moshe		Technion
Speyer, Jason L.	Univ. of California, Los Angeles	
15:15-15:40		WeL1T3.4
<i>Target Tracking in the Presence of Field-Of-View Constraints</i> 286		
Yeger, Matan		Technion
Oshman, Yaakov		Technion
15:40-16:05		WeL1T3.5
<i>No Correlations Involved: Decision Making under Uncertainty in the Conservative Information Space</i> 319		
Indelman, Vadim		Technion

WeL1T4		Hall D
Aerospace Structure I (Regular Session)		
Chair: Ghilai, Gila	Israel Aerospace Industries	
14:00-14:25	WeL1T4.1	
<i>Structural Health Monitoring of Composite-Based UAVs Using Simultaneous Fiber-Optic Interrogation by Rayleigh-Based Distributed Sensing and Fiber Bragg Grating Point Sensors</i> 341		
Kressel, Iddo	Israel Aerospace Industries	
Shapira, Osher	Israel Air Force	
Mashiach, Naama	Israel Air Force	
Ben-Simon, Uri	Israel Aerospace Industries	
Glam, Benny	Israel Air Force	
Bergman, Arik	Tel-Aviv Univ.	
Dvorjeski, Ariel	IMOD	
Rothman, Tal	Israel Air Force	
Yehoshua, Tal	IMOD	
Tur, Moshe	Tel-Aviv Univ.	
14:25-14:50	WeL1T4.2	
<i>Health Monitoring of Aerospace Structural Joints by Local Dynamic Effects</i> 346		
Bracha, Ido	Technion, Rafael	
Karp, Baruch	Ben Gurion Univ. of the Negev	
Durban, David	Technion	
14:50-15:15	WeL1T4.3	
<i>Impact Damage Detection for Composite Fuselage Panel Using Distributed Strain Sensing Based on Fibre Optic Rayleigh Back-Scattering</i> 354		
Tur, Moshe	Tel-Aviv Univ.	
Ben Simon, Uri	Israel Aerospace Industries	
Gorbatov, Nahum	Tel-Aviv Univ.	
Bergman, Arik	Tel-Aviv Univ.	
Kressel, Iddo	Israel Aerospace Industries	
Kontis, Nikoalos	Integrated Aerospace Sciences Corp. – INASCO, Greece	
Koimtzoglou, Christos	Integrated Aerospace Sciences Corp. – INASCO, Greece	
15:15-15:40	WeL1T4.4	
<i>Implementation of Invariant-Based Approaches for Determination of Composite Materials Allowables</i> 358		
Freed, Yuval	Israel Aerospace Industries	

WeL1T5		Hall E
Student Competition (Regular Session)		
Chair: Yudilevitch, Gil		Technion
14:00-14:25	WeL1T5.1	
<i>Innovative Techniques in Modeling, Simulating and Controlling the SAMSON Satellites</i> 371		
Priel, Aviv	Technion	
Leizeronok, Boris	Technion	
Levy, Ori	Technion	
Levy, Matan	Technion	
Cohen, Liran	Technion	
Azrak, Tal	Technion	
Woolfe, Jeff	Technion	
Marcovici, Emil	Technion	
Goldenberg, Douglas	Technion	
Golod, Oleg	Technion	
Herscovitz, Jacob	Technion	
14:25-14:50	WeL1T5.2	
<i>Challenges in the Conversion of a Business Jet into a Regional Airliner, Based on the ARJ-100 Students Project</i> 410		
Alexandroni, Shai	Technion	
Belonojko, Maxim	Technion	
Elbaz, Yair	Technion	
Lifshitz, Lior	Technion	
Muller, Ilai	Technion	
Twito, Naftali nati	Technion	
Wollmark, Shahar	Technion	
Attar, Moshe	Israel Aerospace Industries	
14:50-15:15	WeL1T5.3	
<i>ATLAS – Advanced Turbine Lifting AirShip</i> 454		
Pukshansky Fainshtein, Gershon	Technion	
Klein, Israel	Technion	
Fisher, Daniel	Technion	
Birger, Nikolai	Technion	
Ruhman, Ido C.	Technion	
Sherman, Yahel	Technion	
Ernowitz, Ofir	Technion	
Elster, Ahiya	Technion	
Loktev, Dina	Technion	
Landkof, Benjamin	Technion	

Coffee Break**16:05-16:25****WeL2T1** Hall A**Guidance & Estimation** (Regular Session)

Chair: Rapoport, Ilia Elbit Systems El-Op Ltd.

16:25-16:50 WeL2T1.1

Evasion from a Homing Missile - Multiple Model Adaptive Control Approach 473

Fonod, Robert Technion

Shima, Tal Technion

16:50-17:15 WeL2T1.2

Coupled Guidance Laws against Helix Maneuvers 497

Rusnak, Ilan Rafael

Peled-Eitan, Liat Rafael

17:15-17:40 WeL2T1.3

In-Flight Modal Frequency Estimation of a Flexible Airframe - a Team Approach 512

Avital, Irina IMI Systems

Yaesh, Isaac IMI Systems

Segal, Shai IMI Systems

17:40-18:05 WeL2T1.4

Error Analysis of a Laser-Designator-Based Terrain-Following Concept 526

Livshitz, Arseny Technion

Idan, Moshe Technion

WeL2T2 Hall B**Flow Control** (Regular Session)

Chair: Wygnanski, Israel Univ. of Arizona

16:25-16:50 WeL2T2.1

Induced Stall Cells on a NACA0015 Airfoil Using Passive and Active Trips 549

Amitay, Miki Rensselaer Polytechnic Inst.

Dell'Orso, Haley Rensselaer Polytechnic Inst.

16:50-17:15	WeL2T2.2
<i>Aerodynamic Control by Vorticity Transport Modification Using Distributed Active Bleed</i> 570	
Kearney, John	Georgia Inst. of Tech.
Glezer, Ari	Georgia Inst. of Tech.
17:15-17:40	WeL2T2.3
<i>Closed-Loop Flow Control of the Oscillations of a Free-Suspended Cylinder at Low Reynolds Numbers</i> 582	
Hillier, Adam	Tel Aviv Univ.
Seifert, Avi	Tel Aviv Univ.
Friedland, Ori	Tel Aviv Univ.
17:40-18:05	WeL2T2.4
<i>Disturbance Source Identification for Flow Control: Problem Formulation for Infinitesimal Disturbances</i> 599	
Gluzman, Igal	Technion
Cohen, Jacob	Technion
Oshman, Yaakov	Technion
WeL2T3	Hall C
Space Systems and Applications (Regular Session)	
Chair: Mishne, David	Technion
16:25-16:50	WeL2T3.1
<i>Detection and Deflection Techniques for Short-Time Warning PHOs: ISU Planetary Defense Project</i> 620	
Rozenheck, Oshri	Technion
Entrena Utrilla Carlos Manuel	International Space Univ. (ISU)
Hussein, Alaa	International Space Univ. (ISU)
16:50-17:15	WeL2T3.2
<i>Hidden-Mode Fault-Tolerant Spacecraft Attitude Estimation and Control</i> 635	
Sadon, Aviran	Ben Gurion Univ. of the Negev
Choukroun, Daniel	Ben Gurion Univ. of the Negev
17:15-17:40	WeL2T3.3
<i>Collision Avoidance Maneuver of Propulsionless Satellite, Using Solar Radiation Pressure</i> 650	
Mishne, David	Technion

17:40-18:05 WeL2T3.4

Intersatellite Laser Ranging and Attitude Robust Measurement Planning 668

Salvoldi, Manuel Ben Gurion Univ. of the Negev
Choukroun, Daniel Ben Gurion Univ. of the Negev
Arnon, Shlomi Ben Gurion Univ. of the Negev
Shiryayev, Alexander Technion

WeL2T4 Hall D
Aeroelasticity (Regular Session)

Chair: Raveh, Daniella Technion

16:25-16:50 WeL2T4.1

An Artificial Neural Network Approach to Flutter Mechanism Classification 691

Livshitz, Arseny Technion
Iovnovich, Michael Israel Air Force

16:50-17:15 WeL2T4.2

Extraction of Dynamic Inflow Model from High-Fidelity Aerodynamic Analysis 710

Rand, Omri Technion
Khromov, Vladimir Technion

17:15-17:40 WeL2T4.3

Evaluation of an ARMA Flutter Boundary Prediction Method Based on Discrete-Time Structural Responses to Turbulence Excitation in Flight-Tests 725

Nahom, Tzvil Israel Air Force
Kogan, Tuvia Israel Air Force
Iovnovich, Michael Israel Air Force
Raveh, Daniella Technion

17:40-18:05 WeL2T4.4

Minimization of Wing Deformation in Trimmed Flight of Highly Flexible Aircraft Using Multiple Control Surfaces 741

Yagil, Leeran Technion
Raveh, Daniella Technion

WeL2T5	Hall E
Measurement Techniques (Regular Session)	
Chair: Cukurel, Beni	Technion
16:25-16:50	WeL2T5.1
<i>Statistical Calibration Via Gaussianization in Hot-Wire Anemometry</i>	
Gluzman, Igal	Technion
Cohen, Jacob	Technion
Oshman, Yaakov	Technion
16:50-17:15	WeL2T5.2
<i>Reciprocity Failure Compensation in Infrared Radiation Thermography</i>	
Romm, Iliya	Technion
Lev, Michael	Technion
Cukurel, Beni	Technion
17:15-17:40	WeL2T5.3
<i>New Method for Measuring Transient Mass Gasification Rate of Condensed Systems</i>	
Perov, Viktor	Voevodsky Inst. of Chemical Kinetics and Combustion
Zarko, Vladimir	Voevodsky Inst. of Chemical Kinetics and Combustion
Zvegintsev, Valery	Khristianovich Inst. of Theoretical and Applied Mechanics
Nalivaichenko, Denis	Khristianovich Inst. of Theoretical and Applied Mechanics SB

WeL2T6	Hall F
General Meeting of the Israel Society of Aeronautics & Astronautics 17:00-18:00	

Dekel Hall
Festive Dinner 18:15-21:00

Program for Thursday, March 10, 2016

The Technion, Haifa

Registration
08:30-09:00

Welcoming Address Hall A

09:00-09:10

Technion Management Representative

ThPI1PL Churchill Auditorium
Plenary Lecture IV (Plenary Session)

Chair: Harari, Amnon

Directorate of Defense R&D,
Israel Ministry of Defense

09:10-10:00

ThPI1PL.1

*The Birth of a Dream - the High Performance JS1
Revelation Glider*

Jonker, Uys

Jonker Sailplanes, South Africa

Coffee Break
10:00-10:30

ThPI2PL Churchill Auditorium
Plenary Lecture V (Plenary Session)

Chair: Abramovich, Haim

Technion

10:30-11:20

ThPI2PL.1

*Lighter Aircraft Structures Using Variable Angle Tow
Composites*

Weaver, Paul M.

Dept. of Aerospace Eng.,
University of Bristol

ThPI3PL Churchill Auditorium
Plenary Lecture VI (Plenary Session)

Chair: Attar, Moshe

Israel Aerospace Industries

11:20-12:10

ThPI3PL.1

*Aircraft and Rotorcraft Flight Control Technologies and
Challenges*

Tischler, Mark B.

Aviation Development
Directorate – AFDD
(Moffett Field, CA)

Lunch
12:10-13:30

ThL1T1 Room 149
Fatigue & Fracture Mechanics (Regular Session)

Chair: Banks-Sills, Leslie Tel Aviv Univ.

13:30-13:55 ThL1T1.1

On the Scatter Factor in Fatigue Testing of Composite Material Structures

Elmalich, Dvir Israel Aerospace Industries
Freed, Yuval Israel Aerospace Industries

13:55-14:20 ThL1T1.2

A Summary of the New Iai Executive Jet Full Scale Fatigue Test

Buimovich, Yael Israel Aerospace Industries
Freed, Yuval Israel Aerospace Industries
Noivirt, Gil Israel Aerospace Industries
Matias, Carmel Israel Aerospace Industries

14:20-14:45 ThL1T1.3

Determination of Safe Life Retirement Time of Helicopter Dynamic Components Based on a Fretting Deterioration Model

Heit, Ofer Israel Air Force
Shemesh, N.N.Y. Israel Air Force
Levi, Kobi Israel Air Force
Kalmanovich, Vadim Israel Air Force

14:45-15:10 ThL1T1.4

Fatigue Delamination Propagation in a DCB Specimen Composed of a Plain Weave Multi-Directional Laminate Composite Subjected to Different Load Ratios

Simon, Ido Tel-Aviv Univ.
Banks-Sills, Leslie Tel Aviv Univ.
Fourman, Victor Tel-Aviv Univ.
Eliasi, Rami Tel-Aviv Univ.

15:10-15:35 ThL1T1.5

Fatigue Evaluation for Hi-Lok Fastener Instalation Methods in Interference-Fit Holes

Matias, Carmel Israel Aerospace Industries
Katsav, Ekaterina Israel Aerospace Industries

ThL1T2	Room 150
Multi-Agent Systems (Regular Session)	
Chair: Zelazo, Daniel	Technion
13:30-13:55	ThL1T2.1
<i>Cooperative Interception Via Staggering and Information Sharing</i>	
Shaferman, Vitaly	Vienna Inst. of Tech.
Oshman, Yaakov	Technion
13:55-14:20	ThL1T2.2
<i>Robustness of Heterogeneous Cyclic Pursuit</i>	
Mukherjee, Dwaipayan	Indian Inst. of Science
Zelazo, Daniel	Technion
14:20-14:45	ThL1T2.3
<i>Multi-Robot Decentralized Belief Space Planning in Unknown Environments Via Efficient Re-Evaluation of Impacted Paths</i>	
Regev, Tal	Technion
Indelman, Vadim	Technion
14:45-15:10	ThL1T2.4
<i>Cooperative Guidance Law for Intra-Salvo Tracking</i>	
Balhance, Nadav	Technion
Weiss, Martin	Technion
Shima, Tal	Technion
15:10-15:35	ThL1T2.5
<i>An Optimal Control Framework for Cooperative Control of Autonomous Systems</i>	
Weiss, Martin	Technion

ThL1T3	Room 165 (Library)
Optimal Guidance - Prof. Shinar Memorial Session (Regular Session)	
Chair: Shima, Tal	Technion
13:30-13:55	ThL1T3.1
<i>Optimal Rocket Trajectories Using Gradient Methods</i>	
Ben-Asher, Joseph Z.	Technion
13:55-14:20	ThL1T3.2
<i>Minimum Effort Intercept and Evasion Guidance Algorithms for Active Aircraft Defense</i>	
Weiss, Martin	Technion
Shima, Tal	Technion
Rusnak, Ilan	Rafael
Castaneda, David	Technion
14:20-14:45	ThL1T3.3
<i>Target Evasion Strategy against a Missile with Switched Guidance Law</i>	
Turetsky, Vladimir	Ort Braude College
Shima, Tal	Technion
14:45-15:10	ThL1T3.4
<i>Guidance Law Using Time-Limited Balanced Autopilot Model Reduction</i>	
Hexner, Gyorgy	Rafael
Weiss, Haim	Rafael
15:10-15:35	ThL1T3.5
<i>An Optimal Guidance Law for Controlling the Acceleration Component Perpendicular to the Line-Of-Sight</i>	
Shaferman, Vitaly	Vienna Inst. of Tech.

ThL1T4	Room 240
Propulsion & Combustion II (Regular Session)	
Chair: Sher, Eran	Technion
13:30-13:55	ThL1T4.1
<i>Statistical Thermodynamics Analysis of the Explosion Limits of Hydrogen-Oxygen System</i>	
Lidor, Alon	Technion
Weihls, Daniel	Technion
Sher, Eran	Technion
13:55-14:20	ThL1T4.2
<i>Measurement of the Explosive Decomposition Speed in a Powdered FTDO Sample Placed into Glass Capillary</i>	
Akhmetshin, Rinat	Tomsk Pol. Univ.
Akhmetshina, Veronica	Tomsk Pol. Univ.
Tsipilev, Vladimir	Tomsk Pol. Univ.
Razin, Alexey	Tomsk Pol. Univ.
Zarko, Vladimir	Inst. of Chemical Kinetics and Combustion
14:20-14:45	ThL1T4.3
<i>The Effect of Preliminary Mechanical Processing of Mg and B Mixture on the Parameters of Its Thermal Explosion and Reaction Products Characteristics</i>	
Korchagin, Mikhail	Inst. of Solid State Chemistry and Mechanochemistry, Novosibirsk
Zarko, Vladimir	Inst. of Chemical Kinetics and Combustion
Fomenko, Sergey	The Inst. of Combustion Problems
Alypbaev, Amanbol	Kazakh National Univ.
Abdulkarimova, Roza	The Inst. of Combustion Problems
14:45-15:10	ThL1T4.4
<i>The Modeling of Unused Propellant Residues Processes from a Tank of Rocket Stage</i>	
Trushlyakov, Valeriy	Omsk State Tech. Univ.

ThL1T5	Room 241
Computational Fluid Dynamics (Regular Session)	
Chair: Arieli, Rimon	Technion
13:30-13:55	ThL1T5.1
<i>A Robust Numerical Method for the Simulation of Chemically Reacting Flows</i>	
Wasserman, Mark	Israeli CFD Center
Levy, Yuval	Israeli CFD Center
Greenberg, J. Barry	Technion
13:55-14:20	ThL1T5.2
<i>An Approximate Method for Aero-Optical Computations Using Incompressible LES</i>	
Weidenfeld, Mickey	Rafael
Arad, Eran	Rafael
14:20-14:45	ThL1T5.3
<i>Computational Fluid Dynamics Modeling of Cathodic Arc Jet in Stationary Atmospheric Pressure Gas</i>	
Ronis, Anton	Technion
Kronhaus, Igal	Technion
14:45-15:10	ThL1T5.4
<i>Propeller Wing Aerodynamic Interference for Small UAVs During VSTOL</i>	
Adair, Desmond	Nazarbayev Univ.
Alimaganbetov, Mergen	Nazarbayev Univ.

ThL1T6	Auditorium 235
<i>Industrial Projects: Challenges and Lessons Learned</i> (Regular Session)	
Chair: Levin, Gil	Israel Air Force
13:30-13:55	ThL1T6.1
<i>110 + 314 = 122: IAF F15 Tail Number 122 Restoration Project</i>	
Ratner, Vadim	Israel Air Force
13:55-14:20	ThL1T6.2
<i>Transforming a Large Business Jet Aircraft to a Mission Aircraft</i>	
Shtayman, Zvi	Israel Aerospace Industries
14:20-14:45	ThL1T6.3
<i>F-16 Structure Challenge</i>	
Mirengof, Haim	Israel Air Force
14:45-15:10	ThL1T6.4
<i>Algorithms in combat-developing and deploying new algorithms "under fire"</i>	
Zohar, Ron	Rafael
15:10-15:35	ThL1T6.5
<i>Collision Avoidance of Ofeq 10 Satellite with the International Space Station During the Satellite Launch</i>	
Benet, Igal	Israel Aerospace Industries

Coffee Break
15:35-16:00

ThL2T1	Room 149
Aerospace Structures II (Regular Session)	
Chair: Kressel, Iddo	Israel Aerospace Industries
16:00-16:25	ThL2T1.1
<i>Aeroservoelastic Response Simulation with Geometric Nonlinearities Using Full Finite-Element Models</i>	
Gov, Favel	Rafael
Karpel, Moti	Technion
16:25-16:50	ThL2T1.2
<i>Nonlinear Structural Modal Model for Aeroelastic Applications</i>	
Cavallaro, Rauno	Technion
Raveh, Daniella	Technion
Kantor, Etay	Technion
16:50-17:15	ThL2T1.3
<i>Comparison of Laboratory Testing Techniques for Airborne Store's Dynamic Response to In-Flight Environmental Conditions</i>	
Cohen, Kobi	Technion
Raveh, Daniella	Technion
17:15-17:40	ThL2T1.4
<i>A Study of the Dynamic Effects on the Design Loads of a Civil Aircraft</i>	
Bronstein, Michael	Israel Aerospace Industries
Feldman, Esther	Israel Aerospace Industries
Vescovini, Riccardo	Pol. Di Milano
Bisagni, Chiara	Pol. Di Milano

ThL2T2	Room 150
Aerospace Systems & Maintenance (Regular Session)	
Supported by	
The Gordon Center for Systems Engineering	

Chair: Landkof, Benjamin	Technion
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16:00-16:25	ThL2T2.1
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*Aircraft Lightning Protection System Continued
Airworthiness*

Berlowitz, Ilan	Israel Aerospace Industries
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16:25-16:50	ThL2T2.2
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*Selection of an Acceptable Risk Criterion for Avoiding a
Major Fatigue Failure on a Commercial Aircraft*

Brot, Abraham	Israel Aerospace Industries
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16:50-17:15	ThL2T2.3
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Equalized Maintenance for Widebody Aircraft

Berlowitz, Ilan	Israel Aerospace Industries
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ThL2T4	Room 240
Fluid Mechanics (Regular Session)	

Chair: Rokita, Tomer	Rafael / Technion
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16:00-16:25	ThL2T4.1
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Stability of Streaks in Shear Flows

Karp, Michael	Technion
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Philip, Jimmy	Dept. of Mechanical Eng. Univ. of Melbourne
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Cohen, Jacob	Technion
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16:25-16:50	ThL2T4.2
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*Influence of Circular Rear Face Geometry on the Cavity
Flow Oscillations at $M=0.7$*

Das, Sudip	Birla Inst. of Tech. Mesra
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Cohen, Jacob	Technion
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16:50-17:15	ThL2T4.3
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*Effect of Approaching Boundary-Layer Thickness on
Turbulent Cavity Flow*

Rokita, Tomer	Rafael / Technion
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17:15-17:40	ThL2T4.4
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The Sound of a Permeable Pitching Airfoil

Weidenfeld, Mickey	Rafael
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Manela, Avshalom	Technion
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ThL2T5	Room 241
High-Precision Navigation (Regular Session)	
Chair: Rusnak, Ilan	Rafael
16:00-16:25	ThL2T5.1
<i>Towards BAFOS: Bundle Adjustment with Feature Orientation and Scale</i>	
Indelman, Vadim	Technion
16:25-16:50	ThL2T5.2
<i>Optical Flow As a Navigation Means for UAVs with Opto-Electronic Cameras</i>	
Popov, Alexey	Inst. for Information Transmission Problems of the Russian Academy of Sciences (Kharkevich Institute)
Miller, Boris	Inst. for Information Transmission Problems RAS and Monash University
Miller, Alexander	Inst. for Information Transmission Problems, RAS
Stepanyan, Karen	Inst. for Information Transmission Problems
16:50-17:15	ThL2T5.3
<i>Visual-INS Using a Human Operator and Converted Measurements</i>	
Montgomery, Turner	US Air Force Inst. of Tech.
Pachter, Meir	US Air Force Inst. of Tech.
17:15-17:40	ThL2T5.4
<i>Model Selection for Radar Registration Errors by Comparison of Radar and ADS-B Data</i>	
Bedin, Dmitrii	Institute of Mathematics and Mechanics (IMM), Ural Branch of the Russian Academy of Sciences