

**14th ISRAELI SYMPOSIUM ON JET ENGINES & GAS TURBINES,
Faculty of Aerospace Engineering, Technion, Haifa, Israel
November 5 2015,**

TECHNICAL PROGRAM

Start	End	
8:00	9:00	(Registration) הרשמה
		Opening (Auditorium, room 235)
		Professor Yeshayahou Levy, Chairman, Head, Turbo and Jet Engine Laboratory, Faculty of Aerospace Engineering, Technion.
		Technion's Executive Vice President for Research Professor Wayne D. Kaplan. Professor of Materials Science and Engineering
9:15	13:00	מושב ראשון (Session First)
		Session Chairman: Dr. Amiram leitner, Rafael
A1		Thurmond Senter, GE Aviation, USA, "Additive Manufacturing and the Products of Tomorrow"
A2		Mr. Mark auBuchon, F135 CTOL/CV Program Chief Engineer , Pratt & Whitney, "F135 Innovations in Single Engine Propulsion Control and Health Management"
A3		Dr. Samir Rida, Honeywell Propulsion, USA, "Combustion and Emissions Design System"
11:00	11:20	הפסקה וכיבוד קל (and refreshments Break)
A4		Prof. Tom Verstraete, Queen Mary University of London, "Towards multidisciplinary design optimization of composite propulsion"
A5		Dr. Michael Klassen, Combustion Science & Engineering, Inc., " Use of Hydrocarbon-based Alternative Fuels in Gas Turbine Applications"
A6		Prof. Yeshayahou Levy, Faculty of Aerospace Engineering, Technion, "Flameless Oxidation Combustor Development For A Sequential Combustion Hybrid Turbofan Engine"
13:00	14:30	ארוחת צהריים (Lunch)

14:30	15:50	(SYSTEMS 1) מושב שני (Auditorium, room 235)
		Session Chairman: Aviad Brandstein, IAI.
B1		Dr. David Lior, Beker Eng., "A feasibility study of a 100 h.p. turbo shaft engine".
B2		Dr. Pinchas Doron, AORA Solar Ltd., "The Tulip® - A Modular Hybrid Thermo-Solar Power System".
B3		Dr. Beni Cukurel, Technion, "A Conceptual Performance Study on Integration of a Continuously Variable Speed Fan into a Micro Turbojet".
B4		Lieut. Col. Mark Markovitski, Cap. Ma'ayan Kooshmarin and Ohad Miler, MOD, "Recent Development Of Pyrotechnic Ignitors for Small Jet Engines".
15:50	16:05	(Break and refreshments) הפסקה וכיבוד קל
16:05	17:05	(SYSTEMS 2) מושב רביעי (Auditorium, room 235)
		Session Chairman: Dr. Beni Cukurel, Technion
D1		Major Efraim Muzikanski, IAF, "Evaluation of a Catalytic Converter for F16 I aircraft".
D2		Alon Grinberg, IAI, Bedek Aviation Group, Engines Division, New Products Development, "Feasibility Study for a Turbo shaft Engine Application In a Solar Hybrid Gas Turbine System".
D3		Ilan Berlowitz, IAI, "Type Certification of Military Commercial Derivative Aircraft & Turbine Engine".

14:30	15:50	(CONTROL & STRUCTURE) מושב שלישי (room 165)
		Session Chairman: Dr. Albert Levi, Bet Shemesh Engines
C1		Isaac Greenberg and Simon Saraf, Rafael, "On the Development of Ram Jet Engine".
C2		Michael Harel, Bet Shemesh Engines, "The effect of acceleration In Starting Condition on Turbine Disc Design On Turbine Disc Design".
C3		Renata Klein, R.K. Diagnostics, "Issues in mechanical diagnostics of jet engines".
C4		Dr. Michael Lictsinder, Bet Shemesh Engines, "Behavior of Small Jet Engine Taking Into Account Heat Loss to the Engine Body during Acceleration".
15:50	16:05	(Break and refreshments) הפסקה וכיבוד קל
16:05	17:05	(combustion) מושב המישי (room 165)
		Session Chairman: Dr. Valery Sherbaum, Technion
E1		Dr. Yuval Dagan, Rafael, "Computational Fluid Dynamics (CFD) Analysis, Using LES, of the Lehavit combustion System".
E2		Dr. Valery Sherbaum, Technion, "Advanced Vaporization System for Small Jet Engines".
E3		Alex Dolnik, Rafael, "On the Development of the "Jet Fire" Combustion System".