

# 14th ISRAELI SYMPOSIUM ON JET ENGINES & GAS TURBINES,

FACULTY OF AEROSPACE ENGINEERING, TECHNION, HAIFA, ISRAEL

NOVEMBER 5 2015,

Start	End		Start	End
<b>8:00</b>	<b>9:00</b>	<b>(Registration) הרשמה</b>	8:00	9:00
		Opening: Professor Yeshayahou Levy, Chairman, Head, Turbo and Jet Engine Laboratory, Faculty of Aerospace Engineering, Technion.	9:00	9:05
		Professor Omri Rand, (Acting) Dean, Faculty of Aerospace Engineering, Technion.	9:05	9:10
		Ltc. Uri Zvikel, Head, Propulsion Systems Branch, Aeronautical Division, MOD.	9:10	9:15
<b>9:15</b>	<b>13:00</b>	<b>(Session First) מושב ראשון</b>	9:15	9:15
		<b>Session Chairman: Dr. Amiram leitner, Rafael</b>	9:15	9:15
<b>A1</b>		Dr. Samir Rida, Honeywell Propulsion, USA, "Combustion and Emissions Design System"	9:15	9:50
<b>A2</b>		Mr. Mark auBuchon, F135 CTOL/CV Program Chief Engine , Pratt & Whitney, "F135 Innovations in Single Engine Propulsion Control and Health Management"	9:50	10:25
<b>A3</b>		Thurmond Senter, GE Aviation, USA, "Additive Manufacturing and the Products of Tomorrow"	10:25	11:00
<b>11:00</b>	<b>11:20</b>	<b>(and refreshments Break) הפסקה וכיבוד קל</b>	11:00	11:20
<b>A4</b>		Prof. Tom Verstraete, Queen Mary University of London, "Towards multidisciplinary design optimization of composite propulsion"	11:20	11:55
<b>A5</b>		Dr. Michael Klassen, Combustion Science & Engineering, Inc., "Vitiation Effect on the Autoignition of Petroleum-based and Alternative Jet Fuels"	11:55	12:30
<b>A6</b>		Prof. Yeshayahou Levy, Faculty of Aerospace Engineering, Technion, "On the Conversion of Jet Engine Combustion System from Operating on Jet Fuel to Natural Gas"	12:30	13:00
<b>13:00</b>	<b>14:30</b>	<b>(Lunch) ארוחת צהריים</b>	13:00	14:30

<b>(SYSTEMS 1) מושב שני</b>			
<b>Session Chairman: Aviad Brandstein, IAI.</b>			
<b>B1</b>	Dr. David Lior, Beker Eng., "A feasibility study of a 100 h.p. turbo shaft engine"	14:30	14:50
<b>B2</b>	Dr. Pinchas Doron, AORA Solar LTd, "The Tulip® - A Modular Hybrid Thermo-Solar Power System"	14:50	15:10
<b>B3</b>	Dr. Beni Cucurel, Technion, "A Conceptual Performance Study on Integration of a Continuously Variable Speed Fan into a Micro Turbojet"	15:10	15:30
<b>B4</b>	Lieut. Col. Mark Markovitski, MOD, "Recent Development Of Pyrotechnic Igniters for Small Jet Engines"	15:30	15:50
<b>(Break and refreshments) הפסקה וכיבוד קל</b>		15:50	16:05
<b>(SYSTEMS 2) מושב רביעי</b>			
<b>Session Chairman: T Dr. Beni Cucurel</b>			
<b>D1</b>	Major Efraim Muzikanski, IAF, "Evaluation of a Catalytic Converter for F16 I aircraft"	16:05	16:25
<b>D2</b>	Alon Grinberg, IAI, Bedek Aviation Group, Engines Division, New Products Development, "Feasibility Study for a Turbohaft Engine Application In a Solar Hybrid Gas Turbine System"	16:25	16:45
<b>D3</b>	Ilan Berlowitz, IAI, "Type Certification of Military Commercial Derivative Aircraft & Turbine Engine"	16:45	17:05

<b>(CONTROL &amp; STRUCTURE) מושב שלישי</b>			
<b>Session Chairman: Dr. Albert Levi, Bet Shemesh Engines</b>			
<b>C1</b>	Michael Harel, Bet Shemesh Engines, "The effect of acceleration In Starting Conditionon Turbine Disc Design On Turbine Disc Design".	14:30	14:50
<b>C2</b>	Renata Klein, R.K. Diagnostics, "Issues in mechanical diagnostics of jet engines"	14:50	15:10
<b>C3</b>	Dr. Michael Lictsinder, Bet Shemesh Engines, "Behavior of Small Jet Engine Taking Into Account Heat Loss to the Engine Body during Acceleration"	15:10	15:30
<b>C4</b>	Itik Greenberge and Simon Zaraf, Rafael, "On the Development of Ram Jet Engine"	15:30	15:50
<b>(Break and refreshments) הפסקה וכיבוד קל</b>		15:50	16:05
<b>(combustion) מושב חמישי</b>			
<b>Session Chairman: Dr. Valery Sherbaum</b>			
<b>E1</b>	Dr. Yuval Dagan, Rafael, "Computational Fluid Dynamics (CFD) Analysis, Using LES, of the Lehavit combustion System"	16:05	16:25
<b>E2</b>	Dr. Valery Sherbaum, Technion, "Advanced Vaporization System for Small Jet Engines"	16:25	16:45
<b>E3</b>	Alex Dolnik, Rafael, "On the Development of the "Jet Fire" Combustion System"	16:45	17:05