



**16th ISRAELI SYMPOSIUM ON JET ENGINES & GAS TURBINES,
Auditorium (room 235), Faculty of Aerospace Engineering, Technion,
Haifa, Israel
November 9 2017,**



TECHNICAL PROGRAM

	16th ISRAELI SYMPOSIUM ON JET ENGINES & GAS TURBINES, NOVEMBER 9 2017, Auditorium , Faculty of Aerospace Engineering (room 235)
07:45 - 09:00	(Registration) הרשמה
09:00	Opening: Professor Yeshayahou Levy, Chairman, Turbo and Jet Engine Laboratory, Faculty of Aerospace Engineering, Technion.
	Professor Wayne D. Kaplan Executive Vice President for Research Technion – Israel Institute of Technology
	Professor Yaakov Cohen, Dean, Faculty of Aerospace Engineering, Technion.
	Major Yigal Ben Shabat, Head, Propulsion Systems Branch, Aeronautical Division, MOD/MFAT
	Lieutenant Colonel Avi Yosfan, Head of Engineering, Propulsion Branch, IAF
09:20 - 13:10	מושב ראשון (First Session, In English)
	RECENT ADVANCEMENTS IN ENGINE DESIGN
35 min. lectures	Session Chairman: Yeshayahou Levy, Technion
A1	Integrated Thermal Management Systems Glenn Crabtree Consulting Engineer, Military Systems Engineering GE Aviation,
A2	The Technical Evolution of Fighter Engine Propulsion in the IAF Tom Prete Vice President, Engineering, Military Engines Pratt & Whitney
A3	" Thermal Mechanical Analysis of an Internally Cooled Stator" Bruno Aguilar ,Honeywell,
11:05 - 11:25	הפסקה וכיבוד קל (and refreshments Break)

A4	<p>"Effects of manufacturing variability on unsteady interaction in a transonic turbine" John Clark Principal Engineer in Turbine Engine Division, US Airforce</p>
A5	<p>"Effect of Partial Span Aspiration on the Performance of a Transonic Axial Compressor Rotor" Abdul Nassar Managing Director, Softinway</p>
A6	<p>"Lean Premixed Prevaporized Combustion for Gas Turbines " Aharon David, LPP Combustion LTd.</p>
13:10 -14:30	<p>ארוחת צהריים וסיור במעבדה למנועי סילון (Lunch and laboratory visit)</p>

15th ISRAELI SYMPOSIUM ON JET ENGINES & GAS TURBINES,
Faculty of Aerospace Engineering, Technion, Haifa, Israel
November 17 2016,

TECHNICAL PROGRAM (Cont.)

<p>Lectures in Hebrew, 20 min. lectures. 14:30 - 17:00 כל ההרצאות 20 ד' ובעברית.</p>			
	<p>Second Session מושב שני 14:30 -15:30 room 165</p>		<p>Third Session מושב שלישי 14:30 -15:30 room 241</p>
	<p>Design & Optimization</p>		<p>Turbomachinery</p>
	<p>Session Chairman: TBD</p>		<p>Session Chairman: TBD</p>
B1	<p>Economic Dispatch and Unit Commitment of a Single Micro-Gas Turbine under CHP Operation Dan Zelazo, Beni Cukurel Technion</p>	C1	<p>On the Effect of the Turbines Exit Flow's Swirl Angle of the Nozzle's performance Albert levy BSE LTd. השפעת זווית סחרור של הגזים ביציאה מטורבינה על ביצועי צינור פליטה מב"ש</p>
B2	<p>Aero-Engine Fan Gearbox Design Ilan Berlowitz Israel Aerospace Industries,</p>	C2	<p>"Mean-line optimum design of a small axial turbine with millions configurations" Savely Khosid, Mark Goldbaum, Rafail Priampolsky Manor, Rafael LTd.</p>
B3	<p>"Optimization in design of a miniature turbojet engine: Existing tools and potential of implementation"</p>	C3	<p>Increasing Efficiency of UAV Internal Combustion Engines via Inverted Brayton Cycle Idan, Chazan, Beni Cukurel</p>

Savely Khosid, Ohad Miller

Manor, Rafael ItD

Technion

Fifth Session מושב חמישי 15:50 -16:50 room 165		Six Session מושב שישי 15:50 -16:50 room 241	
Fuel & Combustion		Systems & Instrumentation	
E1	<p>On the Development of a SMD Correlation for a Spray Exiting from a Slinger Atomizer SMD BSE Ltd על פיתוח קורלציה להערכת SMD של דלק המרוסס מסלינגר מב"ש</p>	F1	<p>Monitoring Engine Gearbox as preventive maintenances Yosi Pickel IAF</p>
E2	<p>The Danger of Water in Aircraft Fuel Systems Orian Elmaliach and Michal Yardeni Fuel and Chemistry Department, Materials Division, Depot 22, IAF</p>	F2	<p>Commercial Transport Aircraft Cabin Clean Air Using Bleed Air System Ilan Berlowitz Israel Aerospace Industries,</p>
E3	<p>On the Conversion of a Large TurboFan Engine's Combustor to be fueled by natural Gas Yeshayahou Levy Technion</p>	F3	<p>OT or Not? Issues concerning Over-Temperature in Turbine's Blades Presenting: Capt. Nitzan David Foucks, M&P Dept., IAF</p>