



ענף הנעה
המחלקה לאווירונאוטיקה
היחידה למו"פ-היחידה לתשתיות
מנהלת פיתוח אמל"ח ותשתיות
משרד הביטחון



המעבדה למנועי סילון וטורבינות גז
הפקולטה להנדסת אווירונאוטיקה וחלל
הטכניון, חיפה

<http://jet-engine-lab.technion.ac.il>



ענף הנעה
מחלקת מטוסים
להק ציוד
חיל האוויר

יום העיון הישראלי העשירי במנועי סילון וטורבינות גז

יום ה' ו' בחשוון תשע"ב 3/11/2011 (08:00-17:00), אולם בטלר, בניין פורשהיימר, מוסד נאמן (בניין 260), קריית הטכניון, חיפה

10th Israeli Symposium on Jet Engines and Gas Turbines

Butler Auditorium, Forchheimer Building, Neaman Institute (Building #260), Technion, Haifa.

CHAIRMAN: Professor Yeshayahou Levy*

08:00 - 09:15 הרשמה (Registration)

09:15 - 09:35 Opening:

- **Professor Yeshayahou Levy**, Chairman, Head, Turbo and Jet Engine Laboratory, Faculty of Aerospace Engineering, Technion.
- **Professor Yoram Tambour**, Dean, Faculty of Aerospace Engineering, Technion.
- **Ltc. Roni Gordana**, Head, Propulsion Systems Branch, Aeronautical Division, MOD.
- **Lt. Col. Shlomi Konforty**, Head of Propulsion Branch, IAF.

9:35 - 12:40 מושב ראשון (First Session)

Session Chairman: Izhak Hofmann (Itche), Edmatech

1. **Technology and Tools for Reduced Total Cost of Ownership**, Mr. Tom Maxwell, General Manager, Military Propulsion Engineering & Mr. Gene E. Wiggs, Consulting Engineer, GE Aviation, USA
2. **Proactive Single Engine Flight Safety Risk Management**, Mr. David McDermott, Chief Engineer, F100, TF33, J52 Engine Programs, United Technologies / Pratt & Whitney, USA.

11:15-11:35 הפסקה וכיבוד קל (Break and refreshments)

3. **Trends in Engine Development, Research Activities in the Jet Engine Laboratory**, Professor Yeshayahou Levy, Technion.
4. **Correction of time dependent engine parameters for analysis of transient effects**, Dr. Michael Lichtzinder, Bet Shemesh Engines Ltd.
5. **(9.) Jet Engines' test cells – Considerations in selecting level of automation**, Mr. Ze'ev Ben-Porath, MAGNUS Engineering and Maintenance LTd.

12:40 - 13:40 ארוחת צהריים (Lunch).

13:40 - 16:55 מושב שני (Second Session)

Session Chairman: Dr Valery Sherbaum, Technion

- **Students Grant Ceremony**
- 6. **(3.) Low NO_x Flameless Combustion for Jet Engines and Gas turbines**, Prof. Yeshayahou Levy, Technion, Israel.
- 7. **System Integration of gas-turbine-driven electric generators in oil and gas production facilities in Siberia**, Mr. Yossi Lev, Consulting Engineer, LSI – Lev Systems Integration Ltd.
- 8. **Student's Design Project: 250 HP Engine for Unmanned Helicopter with Reduced Infrared Signature**, Jessica Yana, Yonatan Lobvikov & Akiva Marc Sharma (under the supervision of Dr. Boris Glezer).

15:10 - 15:30 הפסקה וכיבוד קל (Break & refreshments)

9. **(6.) Oil Priming Problem in Jet Engines**, Mr. Lev Dvoskin, Bet-Shemesh Engine Limited.
10. **Compressor failure in Marbore Engine**, Eyal Aronson, IAF.
11. **Improvements in Exhaust gas temperature measurement of Jet Engine**, Mr. Albert levy, Bet Shemesh Engines Ltd.
12. **Numerical Aspects of High Altitude Test Chamber for Engines**, Dr. Savely Khosid, Dr. Uri Katz, Mr. Itzhak Greenberg and Dr. Amiram Leitner.

16:50- 16:55 דברי סיכום (Closure)

* **Prof. Yeshayahou Levy:**

E-mail: levyy@aerodyne.technion.ac.il

Tel: 04 8293807 Fax: 04 8121604 Mobile: 0547 3558