



The Seventh Israeli PHM Conference

Program

8:00-8:30

GATHERING

8:30-8:35 Opening remarks: Colonel Ran Gruszkiewicz

8:35-8:40 Opening remarks: Prof. Jacob Bortman

8:40-8:45 Opening remarks: Mr. Tal Yehoshua

Morning session

Chair: Mr. Tal Yehoshua

8:45-9:25 **Dr. Eric Bechhofer** (Guest Presentation) – From History to the Future of PHM

9:25-9:55 **Dr. Renata Klein** (BGU) – The value of physical models for diagnostics and prognostics research

9:55-10:25 **Prof. Ron Kenett** – Big Data in PHM

10:25-10:45

BREAK

Noon sessions

Chair: Prof. Moshe Tur

10:45-11:15 **Dr. Boris Muravin** - An expert system for failure analysis with Acoustic Emission for composite airborne materials

11:15-11:45 **Dr. Eliahu Khalastchi and Dr. Meir Kalech** – Fault detection using big Data analysis

11:45-12:15 **Dima Gazizulin** (BGU) – Bearing modeling for prognostics

12:15-12:45 **Iddo Kressel** (IAI) – SHM for UAV using a digital twin

12:45-14:00

LUNCH

Afternoon sessions

Chair: Dr. Renata Klein

14:00-14:30 **Efraim Rabinovich** (IAI) – SHM for Landing gear

14:30-15:00 **Johnathan Balter** (Elbit) – SHM for UAV with Fiber-optic sensors

15:00-15:30 **Dimitry Fishman** (IAF) – Monitoring of grinding metals in dynamical systems

15:30-16:00 **Nadav Silverman** (BGU) - The effect of grease level and backlash on the AH-64 intermediate gearbox using a unique test rig

16:00-16:30 **Alex Kushnirsky** (IAF) – Recent HUMS and CBM efforts

16:30-16:40 Closing Remarks: Prof. Jacob Bortman



The conference will be held on Thursday, June 28, 2018

**House of Air Force,
Jabotinsky 15 Herzliya**

<https://goo.gl/maps/vECV5gosbdp>



If you haven't registered yet (free registration)

[Please register here](#)

We look forward to seeing you among the conference participants

Members of the organizing committee

Prof. Jacob Bortman	Prof. Moshe Tur	Dr. Renata Klein	Mr. Tall Joshua	Maj Alex Kushnirsky
University of Ben Gurion	University of Tel Aviv	University of Ben Gurion	MOD	IAF

For further information:

phm7conference@gmail.com, alexkush@idf.gov.il