Amitay Cohen C.V.

Year of birth: 1973, Married + 4 children,
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Work:
Physics Department NRCN
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Experience

2009- : NRCN, Physics Department, Dynamic Measurements Group.
Main topic: Mechanical Characterization of Metals Under High Strain Rate Condition using SHB systems and Gas-Guns.

2008-2009: Environmental Test Engineer, Space division MBT IAI.
Topics: 1. A knowledge concentrator of the facilities existing in the lab.
2. Establishing a new setup for Pyroshock simulation and measurement in the Shock Response Spectrum method.

2005-2007: Mesoscopic Laboratory headed by **Prof. Aviad Frydman**, Bar-Ilan University – 2006: Acting as head of laboratory during sabbatical of Prof. A. Frydman.

2004: FU-Berlin – Experimental collaboration with **Dr. B. Sandow, Prof. W. Bruwer group.**

2002: Hebrew University Jerusalem – Collaboration with **Prof. A. Domb**, Pharmacology Department.

1999: NOVA, Rehovot Israel (In situ wafer detection equipment) – Laboratory measurement assistant.
-Prof. A. Frydman's lab., Bar-Ilan University – research assistant.

Education

2002-2007: Bar-Ilan University – PhD in Physics. Thesis title: Intrinsic Magnetic Measurements of Low-Dimensional Systems and Nano-Magnets. Supervisor: Prof. A. Frydman.

2000-2002: Bar-Ilan University – M.Sc. in Physics (**cum laude**). Thesis title: Systems of Coupled magnetic Dots. Supervisor: Prof. A. Frydman.

1997-2000: Bar-Ilan University – B.Sc in Physics.

Skills

- Project leader of mechanical measurements systems development and fabrication.
- High strain rate research designing and operating.
- Glove box developing, integrating and operating.
- Designing and performing electrical measurements for organic materials.
- Designing and building cryogenic probes for multi thin layers growth and transport measurement.
- High vacuum systems operation.
- Thermal and e-beam evaporation.
- Cryogenic and superconductor magnets system operation.
- Performing low level measurements.
- AFM imaging and manipulation.
- Photo and e-beam lithography.

Awards

DAAD fellowship (A/04/28777) 2004.

The University President Scholarship for Excellent PhD Students, 2003-2007.

KATZIR Scholarship 2011- …