

Oded Millo

Curriculum Vitae (May 2014)

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Israel

Personal

Born March 30, 1955, Rehovot, Israel
Married, two children

Academic Background

1978-1981 B.Sc., Physics and Mathematics, Hebrew University

1981-1982 M.Sc. studies, Physics, Hebrew University

1982-1988 Ph.D., Physics, Hebrew University

Ph.D. Thesis: "Electronic Excitations at Metal Films and Rough Metal Surfaces",
under the supervision of A. Many, and Y. Goldstein.

Academic Appointments

2004-present Full professor, Physics Dept., Hebrew University
2001-2004 Associate Professor, Physics Department, Hebrew University
2003-2004 Head, the Hebrew University Center for Nanoscience and
Nanotechnology
1998-2001 Senior Lecturer (tenure), Physics Department, Hebrew University
1993-1998 Lecturer, Physics Department, Hebrew University
1989-1992 Post-Doc researcher, Dept. of Applied Physics, Yale University

Academic Positions at the Hebrew University

2009 – present Head of the Physics Department teaching.
2007- 2009 Head of the Combined Physics-Chemistry Program.
2003-2004 Head, Hebrew University Center for Nanoscience and Nanotechnology

Honors

Landau Prize
Weizmann Post-Doctoral Fellowship
Alon Fellowship
The Harry de Jur Chair of Applied Sciences
The IVS prize for excellence in research (2008)

Journal Editorial boards

2007 – present "Research Letters in Nanotechnology"

Patemts

1. Uri Banin, David Mocatta, Eran Rabani, Guy Cohen, Oded Millo
"Heavily doped semiconductor nanocrystal quantum dots, filing 2/2011
2. Uri Banin, Oded Millo, Yehonadav Bekebstein, Kathy Vinokourov "Semiconductor nanocrystals with controlled electrical functionality", filing 6/2013.

Research Interests

Solid State Physics: Low Temperature Physics and nano-science
Scanning Probe Microscopy and Spectroscopy: Cryogenic and UHV STM and AFM
Quantum transport and single electron tunneling effects
Electronic properties of semiconductor nanoparticles and composite materials
High temperature superconductivity, ferromagnetic-superconductor hybrids

Experimental Techniques

UHV and surface technologies
Surface spectroscopy techniques (Auger, EELS)
Low temperature (^4He and ^3He) transport measurements
Microfabrication: *e*-beam lithography, optical lithography
Scanning Tunneling Microscopy and spectroscopy, Cryogenic STM
Scanning Force Microscopy and related spectroscopies

Committees

2011-present	Promotion Committee
2010-present	Search committee (Experimental Physics, the Racah Institute)
2007-present	Member of the Faculty "Teaching Committee".
1997- present	Member of the Physics department "Teaching Committee".
2001 - present	Member of the management team of the Hebrew University Center for Nanoscience and Nanotechnology (Faculty of Science)
1997 - 2000	Coordinator between the Racah institute and Israeli Hi-Tech industry.
1998 - 2004	Authority of Graduate Students (Faculty of Science)
1999 - 2002	Basic equipment committee (Racah Institute)
2001 - 2008	Search committee (Experimental Physics, the Racah Institute) 2004 – 2005 ; 2007 - 2008 head of the committee
2003 – 2007	Search committee (Applied Physics, School of Engineering)

Ph.D. and M.Sc. students; Post-Docs.

1. Eyal Bar-Sadeh: Ph.D. student, (graduated 1996).
2. Danny Porath: Ph.D. student, (graduated 1998).
3. Yair Levi: Ph.D. student, (graduated 2000).
4. Nira Shimoni: M.Sc. student, 1995-1996.
Ph.D. student, (graduated 2001 with excellence).
5. Merav Elon: M.Sc. student, 2001-2003.
6. David Katz: M.Sc. student, 1998-1999.
Ph.D. student (graduated 2005, with excellence).
7. Amos Sharoni: Ph.D. student, (graduated 2004).
8. Liat Dovrat M.Sc. student 2005- 2006.
9. Doron Azulai: Ph.D. student, (graduated 2007).
10. Hadar Levi M.Sc. student, 2006- 2007.
11. Itai Asoulin: Ph.D. (graduated 2009)
12. Dov Steiner; Ph.D. student, (graduated 2010).
13. Ofer Yuli Ph.D. (graduated 2010).
14. Dana Toker; Ph.D. student, (writing her thesis, should graduated 2010).
15. Shoal Silbert M.Sc. student 2008-2010.
16. Omri Wolf Ph.D. student (started 2009).
17. Yoav Kalcheim M.Sc student (started 2009).
18. Yehonadav Bekenstein Ph.D. student (started 2010).
19. Yoni Schatner M.Sc. student (started 2010, moved to theory with Dror Orgad).
20. Shay Keren-Zur M.Sc. student (started 2011).
21. Smadar First M.Sc. student (started 2012, with Uri Banin).
22. Hen Alpern M.Sc. student (starting October 2014, with Y. Paltiel).
23. Or Ashkenazy Project student (2014).
24. Pavel Fadeev Project student (2014).

Post-docs:

1. Marcelo Wolovelsky: Post-Doc researcher, 1993-1996.

