

Guy Leibovitch

2018 Curriculum Vitae

Contact Information

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Personal Information

Address: 3, Shvil Ha-Halav st., Binyamina, Israel 45858 רחוב שביל החלב 3, בנימינה
Mobile phone: 050-7700382
Office phone : 073-3353464
Marital Status: Married +4
Nationality: Israeli
Date of Birth: 07/10/1973

Education

- 2004 - 2009 **PhD.** Tel Aviv University, School of Physics and Astronomy.
Supervisor: prof. Guy Deutscher
Thesis: "Enhanced Bean-Livingston Barrier at nodal surface of YBCO thin films".
Specializing in the following fields and techniques: Superconductivity, Tunnel junctions (STM and planar), Point-contact, Cryogenic systems, Vacuum systems, Morphology and topography analysis using X-ray diffraction, SEM, AFM STM and Optical microscope, Thin films growth by sputtering and evaporation, High magnetic fields. Optimizing thin films growth procedure, Automating measurements control, electronic and mechanical noise/vibration reduction for sensitive measurements.
- 2002–2003 **M.Sc. with excellence**, Tel Aviv University, School of Physics and Astronomy
Supervisor: prof. Guy Deutscher
M.Sc title: "*High Quality a-axis outgrowth on c-axis $Y_1Ca_{1-x}Ba_2Cu_3O_{7-\delta}$* ". Cumulative GPA: 92
- 1998- 2001 **B.Sc in Physics**, Tel Aviv University, School of Physics and Astronomy.
Cumulative GPA: 84
B.Sc. in Computer Science, Tel Aviv University, School of mathematics and computer science. Cumulative GPA: 84
- 1998- 2001 **Physics**, Tel Aviv University, School of Physics and Astronomy. Cumulative GPA: 84
B.Sc. in Computer Science, Tel Aviv University, School of Mathematics and Computer science. Cumulative GPA: 84

Awards

- 2004 Excellence in research award, Tel-Aviv University.

Military service

- 1992- 1998 Computer programmer, Mamram graduate. Served in the Air-Force computer unit

Teaching & Professional experience

- 2009- Today Rafael Advanced Defense Systems Ltd. R&D in plasma science and high EM fields, program leader of multidisciplinary research including Physics & Material Science, manufacturing processes and management
- 2004-2009 SEM (Scanning Electron Microscope) operator at the Wolfson Applied Materials Research Center, Tel-Aviv University. Operating SEM for academic research and industry
- 2002- 2008 Tel-Aviv University, Physics laboratory C. 3rd year undergraduate students instructor of the experiments: Low-Temperature & 2D Electron Gas.
- 2001-2008 Research student, school of Physics and Astronomy, Tel Aviv University, Laboratory of High Tc Superconductivity. Other than my own research, I instructed new MSc and PhD students that joined the group and assisted them and my colleagues in their research.
- 2001-2002 Tel-Aviv University, Physics laboratory A. Instructor for undergraduate students.
- 2000-2001 Tel-Aviv University, School of Computer-Science. Assignments checking.

Computational skills

C, C++, Matlab, Labview

Language knowledge

Hebrew (native), English, Spanish (basic)

Additional info

PhD – Collaboration with National High Magnetic Field Laboratory, Tallahassee, Florida USA – experimental work related to high magnetic field 10's of Tesla with mK temperatures.