

Asaf Albo–Curriculum Vitae

EDUCATION

Oct 2013–June 2017, Post-Doctoral studies at the “Millimeter-wave and Terahertz Devices Group” at the Research Laboratory of Electronics (RLE) center of MIT, with Prof. Qing Hu. “Improving the temperature performances of terahertz quantum cascade lasers (THz-QCLs)”.

March 2011 (formal date)–Ph.D. Degree from the Department of Electrical Engineering, Technion–Israel Institute of Technology, "GaInAsN/(Al)GaAs quantum-well-based structures: growth, physical properties, and IR-devices"; Supervisors: Prof. Gad Bahir and Prof. Dan Fekete.

2005–Master’s degree in the Department of Material Engineering, Technion-Israel Institute of Technology, "Novel Conjugated Polymers/Inorganic Guest-Host Nanocomposites for Blue-Emitting Devices"; Supervisor: Prof. Gitti Frey.

2002–First Degree with Honors from the Department of Material Engineering, Technion-Israel Institute of Technology.

2002–First Degree with Honors from the Physics Faculty, Technion-Israel Institute of Technology.

EXPERIENCE

June 2017–Current, Researcher, Bar-Ilan University, Head of Quantum Engineering Laboratory, Managing Research Group in the field of Optoelectronics.

Oct 2013–June 2017, Research Associate at the “Millimeter-wave and Terahertz Devices Group” at the Research Laboratory of Electronics (RLE) center of MIT, with Prof. Qing Hu. “Improving the temperature performances of terahertz quantum cascade lasers (THz-QCLs)”.

Jan 2010–Oct 2013, Senior R&D Physicist, Semi-Conductor-Devices Company (SCD). Experimental Physicist and Researcher performing electro-optic simulations, FPA characterization, and data analysis of IR photodetector devices.

2009–2010, Researcher, Department of Electrical Engineering, Mosad Ha-Technion, Technion-Israel Institute of Technology, "Dilute Nitrides Quantum Structures for IR Applications".

2005–2009, Ph.D Research under Scholarship, Department of Electrical Engineering, Technion-Israel Institute of Technology, "GaInAsN/(Al)GaAs quantum-well-based structures: growth, physical properties and IR-devices".

2007–2009, Teaching Assistant, "Electronic Devices 1", Advanced Undergraduate Course, Department of Electrical Engineering, Technion-Israel Institute of Technology, Physics of Electronic Devices.

2005–2009, Labs in Charge and Lab Instructor, Electrical Devices Laboratories, Advanced Undergraduate Laboratories, Teaching Students, Teaching New Instructors, Designing New Experiments and Instructing Projects, Department of Electrical Engineering, Technion-Israel Institute of Technology.

2005–2009, Projects Instructor, Instruction of advanced undergraduate students doing their research projects, Department of Electrical Engineering, Technion-Israel Institute of Technology.

2002–2005, Masters Research under Scholarship, Department of Material Engineering, Technion-Israel Institute of Technology, “Novel Conjugated Polymers /Inorganic Guest-Host Nanocomposites for Blue-Emitting Devices”.

2002–2005, Teaching Assistant, "Fabrication Techniques in Microelectronics", Advanced Undergraduate Course, Department of Material Engineering, Technion-Israel Institute of Technology.

2002–2005, Lab Instructor, Material Characterization Laboratories, Advanced Undergraduate Laboratories, Department of Material Engineering, Technion-Israel Institute of Technology.

PUBLICATIONS

<https://scholar.google.co.il/citations?user=vNPNsRcAAAAJ&hl=en>