Last modified: 13 January 2020

CURRICULUM VITAE

Name: Moshe Zohar

Citizenship: Israeli

Affiliation: SCE - Shamoon College of Engineering, Beer Sheva, P.O.B. 950, 8410802.

Tel: +972-8-6475747.

E-mail: moshezo@ac.sce.ac.il .

Residence address: Beer-Sheva, Israel.

1. Academic education

   2010-2014 PhD in the Department of Electrical and Computer Engineering. Ben Gurion University of the Negev, Israel.
   Dissertation Title: High sensitive photodetectors based on nanometer scale periodic multilayered structures.
   Name of advisor: Professor Shlomo Hava and Professor Mark Auslender

   2007-2010 M.Sc. Electrical and Computer Engineering. Ben Gurion University of the Negev, Israel.
   Research Title: The Effects of Nano Structure Grating on the Optical Properties of Resonant Cavity Enhanced IR Photodetectors.
   Name of advisor: Professor Shlomo Hava and Professor Mark Auslender

   2003-2007 B.Sc. in Electrical and Computer Engineering. Ben Gurion University of the Negev, Israel. Majoring in Optics and Communication.
   Engineering Project: "Adaptive MCM system with constrained BER and Maximum Capacity".
   Project's objective: Constructing a Matlab simulation system for optimization of OFDM systems for a given channel.
   Name of advisor: Prof. Vladimir Lyandres and Dr. Lev Goldfeld.

2. Academic employment

   Since 2018 Senior Lecturer. Electrical and Electronics Engineering Department, SCE Shamoon College of Engineering, Israel.

   2014-2018 Lecturer. Electrical and Electronics Engineering Department, SCE Shamoon College of Engineering, Israel.

   2010-2014 Lecturer and a teaching assistant. Electrical and Electronics Engineering Department, SCE Shamoon College of Engineering, Israel.

   2009-2010 Teaching assistant. Electrical and Electronics Engineering Department, SCE Shamoon College of Engineering, Israel.

   2007-2010 Teaching assistant. Electrical and Computer Engineering Department, Ben Gurion University of the Negev, Israel.

3. Academic research and development activities

3.1 Present research and development activities

Since 2010	Light management for energy harvesting optical devices using periodically patterned nanostructures and metasurfaces.
	High sensitivity photodetectors based on nano-scale periodic multilayered structures.
	Utilization of Dip-Pen Nanolithography (DPN) with insulator and conductive materials for the fabrication of filters and couplers.
Since 2008	Development of a simulation program which models the optical properties of micro- and nano-grating structures and their integration with smooth multilayer structures.