

## Curriculum Vitae

### PERSONAL DETAILS

Place of birth: Israel

Home address: Sokolov 83 Ramat Hasharon, Israel

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I.D.: 24101008

### • EDUCATION

**2010-2012** PhD in Physical Electronics, University of Tel Aviv, Israel.

**2002-2004** M.Sc in Physics, University of Tel Aviv, Israel.

**1999-2001** B.Sc in Physics, University of Tel Aviv, Israel.

### • CURRENT POSITION

**2016-** Senior lecturer

Department of Elect. & Comp. Engineering

Ben-Gurion University of the Negev

Research: Absorption of the solar radiation in arrays composed of subwavelength structures; field-effect based biosensing.

### • PREVIOUS POSITIONS

**2015-2016** Research Scientist

Department of physical electronics, Faculty of Engineering, Tel-Aviv University, Israel

Research: silicon-based electronic-nose.

**2013-2014** Postdoctoral fellowship

Max-Planck Institute for the Science of Light, Erlangen, Germany.

Research: Nano-structured thin films for next generation silicon photovoltaics.

Supervisor: Prof. Silke Christiansen

**2012-2013** Research Scientist

Department of physical electronics, Faculty of Engineering, Tel-Aviv University, Israel

Research: Gas sensing based on electrostatically-formed silicon nanowires.

**2010-2012** PhD researcher

Department of physical electronics, Faculty of Engineering, Tel-Aviv University, Israel

Research: Translating protein-protein interactions into electrical signals using

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novel silicon-based devices.

Supervisor: Prof. Yossi Rosenwaks.

**2007-2010** Research Scientist

Intel Research Lab, Intel Jerusalem.

Research: R&D of novel silicon-based biosensors.

**2005-2007** Lithography process engineer, Intel Israel.

**2002-2004** Research student, Tel Aviv University.

Research: Electrical characterization and modelling of thin transparent semiconducting layers.

Supervisor: Prof. Shmuel Goldsmith