

RESUME

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Full name: Elhanan (Maguid) Magid

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Academic degrees

B.Sc Israel Institute of Technology, Technion, Haifa, Bachelor' degree in Physics, 2011.
major subject electro-optics.

M.Sc. Israel Institute of Technology, Technion, Mechanical Engineering ,2014.
Thesis: "Manipulation of Light by Spin-Optical metasurfaces".
Supervisor: Prof. E. Hasman

Ph.D. Israel Institute of Technology, Technion, Mechanical Engineering, 2019.
Thesis: "Multifunctional Spin-controlled geometric phase metasurfaces".
Supervisor: Prof. E. Hasman

Professional experience

2018 – today : Rafael Advanced Defense Systems

2012 – 2018 : Teaching assistant Mechanical engineering department, Technion.

Numerical analysis, 2012 – 2018, undergraduate course.

Experimental methods and lab, 2013, undergraduate course.

Linear Optics 1, 2015 – 2018, undergraduate course.

Linear Optics 2, 2015 – 2018, graduate course.

Nano Optics, 2015 – 2018 , graduate course.

Military Service

2003 – 2005 : Lieutenant, IDF. Field Intelligence.

Honors

2015, 2018 - Excellent Instructor (teaching assistant).

2016 - Excellence prize for doctoral student from KLA-Tencor.

2016, 2017 - Russell Berrie Scholarship for students in Nanoscience.

2017 - The Wolf Foundation scholarship for excellence.

2017 - Optical Society of America Foundation Incubic Milton Chang Travel Grant Student Award for CLEO USA.

2017 - The Quantum Electronics and Optics Division of the European Physical Society Young Mind Travel Grant Student Award for CLEO/Europe-EQEC Conference.

2017 - Faculty Excellence Scholarship.

2019 - The HP Excellence Fellowship for excellence Ph. D. thesis.

Research Interests

Photonics - spin-optics, Metamaterials, Multifunctional optics, Optics, Nano optics, Plasmonics, plasma physics, Solid state physics, Thermal emission.