

Sharon Shwartz

Physics Department,
Bar-Ilan University,
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Israel

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Education:

Ph.D. in Physics, Technion, Haifa, Israel, 2009

Dissertation title: Nonlinear Optics In CdZnTe:V

<http://www.graduate.technion.ac.il/Theses/Abstracts.asp?Id=24375>

B.A. in Physics, Technion, Haifa, Israel, 2001

Employment:

Associate Professor, Physics Department, Bar Ilan University, 2018-present

Senior Lecturer, Physics Department, Bar Ilan University, 2012-2018

Postdoctoral Fellow, Stanford University, Stanford, CA, 2009-2012

Scientist, R&D, Optimaze Telecom, Rehovot, Israel, 2001-2003

Awards:

- The Israel Academy of Sciences and Humanities, The Adams Fellowship (2005)
- Technion, The Applied Materials Fellowship (2005)
- Technion, The Miriam and Aharon Gutwirth Fellowship Award (2004)
- Technion award for excellence in teaching (2004)

Visiting positions:

RIKEN SPring-8 Center, Japan, 2016-present

Community Services

Member of the national committee for synchrotron radiation, 2016-present

Supervision of graduate students

2 PhD and 4 MSc students graduated

Currently I am supervising 4 MSc students and 2 PhD students

Reviewing activities

Peer review journals: Science, Nature Photonics, Nature Physics, Nature Communications, Physical Review Letter, Optica, Optics express.

- Grant reviews: Israel Science Foundation, Department of Energy, DFG (Deutsche Forschungsgemeinschaft)

MSc defense exams, Physics department Bar Ilan University (5 exams), Electrical engineering, Technion, PhD qualifying exam, Electrical engineering, Tel Aviv University

Teaching activities

2014- present Lecturer, Nonlinear Optics for graduate students in physics, Bar Ilan University, Israel

2013-present Lecturer, Optics for undergraduate students in physics, Bar Ilan University, Israel

2016-present Lectuere, Optics for optometry students, Bar Ilan University, Israel

2013-2016 Lecturer, Mathematical methods for undergraduate students in physics, Bar Ilan University, Israel

Major collaborators

Prof. David Reis, Stanford University, USA

Prof. Matthias Fuchs, University of Nebraska – Lincoln, USA

Prof. Nina Rohringer,, DESY and Physics Department, University of Hamburg, Germany

Dr. Kenji Tamasaku, SPring8, Japan