

Curriculum Vitae

David Petrosyan

Education

- 1999: PhD in Laser Physics, Institute for Physical Research,
Armenian National Academy of Sciences (ANAS)
1995: Diploma in Physics (*honors*), Department of Physics, Yerevan State University
1990: Graduate from No 71 Secondary Russian School of Yerevan

Professional Appointments

- 2002– : Institute of Electronic Structure & Laser, FORTH, Greece
Associate [Γ]/Principal [B] (since 2006) Researcher
2014-2015: Aarhus Institute of Advanced Studies, Aarhus University, Denmark
Dale T. Mortensen Senior Fellow – Associate Professor
2013: Department of Physics and Astronomy, Aarhus University, Denmark
Visiting Associate Professor (3 months)
2006 & 2011: Fachbereich Physik, University of Kaiserslautern, Germany
Humboldt Research Fellow (6 & 3 months)
2000–2002: Department of Chemical Physics, Weizmann Institute of Science, Israel
Postdoctoral Fellow
1998–2000: Institute of Electronic Structure & Laser, FORTH, Greece
Research Fellow
1997–1998: Max–Planck–Institut für Quantenoptik, Germany
Research Fellow
1995–1999: Institute for Physical Research, ANAS, Armenia
Post-Graduate Student

Awards

- 2013: Friedrich Wilhelm Bessel Research Award of the Humboldt Foundation, Germany
2013: Dale T. Mortensen Senior Fellowship, Aarhus Institute of Advanced Studies, Denmark
2006: Alexander von Humboldt Research Fellowship, Germany
2000: Feinberg Postdoctoral Fellowship, Israel
1997: DAAD graduate student Scholarship, Germany

Specialization: *Theoretical Quantum Optics & Quantum Information:*

- Many-body physics of strongly interacting Rydberg atoms
- Cold atoms in optical lattices
- Electromagnetically induced transparency and related phenomena in atomic ensembles
- Physical implementations of quantum information processing and communication with optical, atomic, solid-state and hybrid systems

Publications

More than 50 papers in refereed international journals, 1 book, 3 book chapters, 2 editorials
More than 1200 citations, h-index 22 (Web of Science™ Core Collection, 2014)

Presentations at Scientific Meetings and Research Centers

35 Invited talks and lectures, 33 contributed talks and seminars