

CURRICULUM VITAE

Marek Trippenbach

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January 2018

EDUCATION

- 1977 - 1982 BA and MS, University of Warsaw, Faculty of Physics
Master Thesis Advisor: prof. K Rzażewski (stochastic processes)
Stimulated Raman Scattering of Colored Chaotic Light
- 1982 - 1987 Polish Academy of Science, Center for Theoretical Physics.
Advisor: prof. K Rzażewski (quantum optics)
Above Threshold Ionization of Hydrogen Atoms

DEGREES

- 1988 Ph. D in theoretical Physics
Polish Academy of Science, Center for Theoretical Physics.
- 1998 Habilitation, Faculty of Physics, University of Warsaw
Spatio-temporal aspects of the light pulse propagation in the dispersive media
- 2009 Professor (title, from the President of Polish Republic)

ACADEMIC EMPLOYMENT

- 2008 - Present **Professor**, Institute for Theoretical Physics, University of Warsaw
- 1999 - 2008 **Assistant Professor**, University of Warsaw, Faculty of Physics
- 1995-1999 **Research Assistant**, Physics and Chemistry Departments,
Ben Gurion University, Beer Sheva, Israel
- 1991-1994 **Assistant Professor**, University of Warsaw, Faculty of Physics
- 1990-1991 **Post Doctoral Fellow**, Department of Chemistry
University of Rochester, USA

- 1989-1990 **Post Doctoral Fellow**, Colorado University at Boulder and Joint Institute for Laboratory Astrophysics, USA
- 1986-1989 **Assistant (Teaching and Research)**, University of Warsaw, Faculty of Physics
- 1982-1986 **Assistant**, Polish Academy of Science, Center for Theoretical Physics.

MAIN HONORS AND AWARDS

- 2006 **Wojciech Rubinowich Prize of Polish Physical Society**
- 2001/2002 **Fulbright Senior Fellowship**
- 1975 **3rd Prize at the International Mathematical Olympiad, Belgade**

PROFESSIONAL AFFILIATIONS AND SERVICES

Vice Dean for the Scientific Research, Department of Physics, University of Warsaw
Two terms, from 2008-2016

Committee Member

Center for Theoretical Physics, Polish Academy of Science
National Laboratory of Atomic, Molecular and Optical Physics (vice Chair)
Physics Department Committee, University of Warsaw
Warsaw University Senate Committee for Academic Career

Ad-hoc Reviewer

Physical Review, Journal of Physics B, JOSA B, Europhysics Letters
New Journal of Physics, Optics Express, Communication Physics, Optics Letters

SELECTED INTERNATIONAL COOPERATION PARTNERS

- National Institute for Standard and Technology Gaithersburg USA, prof. Paul Julienne
- Ben Gurion University, Beer Sheva, Israel, prof. Yehuda Band
- University of Lisboa, Lisboa, Portugal, prof. Vladimir Konotop
- Laboratoire Charles Fabry de l'Institut d'Optique, CNRS, France, prof. Chris I. Westbrook
- Laser Physics Centre, Australian National University, Canberra, prof. Wieslaw Krolikowski
- University Roma Tre, Italy, prof. Gaetano Assanto
- Freie University Berlin, Dept. of Physics, prof. Michael Giersig,

PUBLICATIONS SUMMARY

According to Web of Science:

Total number of publications 137 (including article in Nature, Review of Modern Physics, Proceedings of the Royal Society, 9 Physical Review Letters.)

H-index 25

Citations (without self-citations) 2042

SCIENTIFIC GRANTS

Project Manager: Polish Science Foundation Project “International PhD Studies at the Faculty of Physics, University of Warsaw”, 2010-2015. (~2 mln EUR)

PI: QUDEDIS - ”Quantum Degenerate Dilute Systems”, EUROCORES, European Science Foundation, 2004-2008

PI: “Controlled Interactions in Quantum Gases of Metastable Atoms”, European Science Foundation, 2007-2010

Group Leader: HOPE Horizons in Physics Education, EPS Education Projects (71 Partners) 2010-2016,

Project Manager: 8 Polish National Research Grants, including Polish National Science Center International Research Grant HARMONIA

Current Grant Project Manager: Polish National Science Center, International Research Grant HARMONIA, “Nonlinear Interaction of Structured Light Beams with Matter” since 2017.

TEACHING EXPERIENCE

- 1985-1988 LABORATORY INSTRUCTOR, WARSAW UNIVERSITY.
- 1986-1988 TEACHING ASSISTANT, WARSAW UNIVERSITY.
COURSES IN: ELECTRODYNAMICS, QUANTUM MECHANICS
- 1991-1994 TEACHING ASSISTANT, WARSAW UNIVERSITY.
COURSES IN: OPTICS, ATOMIC PHYSICS, MATHEMATICS
- 1999-PRESENT PROFESSOR, WARSAW UNIVERSITY.
LECTURES IN: NONLINEAR OPTICS, INTRODUCTION TO OPTICS, PHYSICS OF COL. ATOMS, NONLINEAR OPTICS OF ATOMS AND PHOTONS, MATHEMATICS, QUANTUM MECHANICS, CLASSICAL MECHANICS, ELECTRODYNAMICS, QUANTUM PHYSICS AND CHEMISTRY WITH APPLICATION TO SPECTROSCOPY

SUPERVISOR: 6 SUCCESSFULLY COMPLETED PH.D PROJECTS, 9 MASTER, 4 BACHELOR.

CONFERENCES ORGANIZATION AND PARTICIPATION

- CHAIR AND CO-CHAIR OF SERIES OF INTERNATIONAL CONFERENCES **QUANTUM TECHNOLOGIES CONFERENCE MANIPULATING PHOTONS, ATOMS, AND MOLECULES**, YEARLY, SINCE 2010
- CO-CHAIR OF THE INTERNATIONAL CONFERENCES: **QUANTUM OPTICS VI: QUANTUM ENGINEERING OF ATOMS AND PHOTONS** 2005, QUANTUM OPTICS IX 2017.
- PARTICIPATED IN OVER 100 INTERNATIONAL CONFERENCES, WITH ABOUT 50 INVITED TALKS