

Academic Curriculum Vitae

Prof. Dr. Ioachim Pupeza

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Date of birth: 9th of March 1980

Nationality: German

Family status: married, two children

• EDUCATION

- 01.07.2020 Habilitation (PD Dr. habil.) at the Chair of Experimental Physics (Laser Physics), Ludwig Maximilians University Munich (LMU), Faculty of Physics, Germany
- 07.10.2011 PhD (Dr. rer. nat.) in Physics, Max Planck Institute for Quantum Optics (MPQ), Germany, and LMU
Advisor: Prof. Ferenc Krausz, second thesis advisor: Prof. Theodor W. Hänsch
- 2007 Diploma (Dipl.-Math.), Mathematics, Technical University (TU) Braunschweig, Germany
- 2006 Diploma (Dipl.-Ing.), Electrical Engineering, TU Braunschweig, Germany
- 2004/2005 Visiting Fellow at the Harvard University, Cambridge, MA, USA, worked on Diploma thesis in electrical engineering
- 1999 Graduation Scharnhorstgymnasium, Hildesheim, Germany (Abitur 1,2)

• CURRENT POSITIONS

- 2023 – Full professor of Experimental Physics (W3) at RPTU Kaiserslautern, Chair for Optical Quantum Metrology
- 2023 – Leader of the research group *Optical Quantum Metrology* within the Material Characterization Department at the Fraunhofer Institute for Industrial Mathematics, Kaiserslautern, Germany
- 2022 – Leader of the research group *Field-Resolved Optical Precision Metrology* within the Spectroscopy and Imaging Department at the Leibniz Institute for Photonic Technology, Jena, Germany

• PREVIOUS POSITIONS

- 2014 – 2023 Leader of the research group *Field-Resolved Infrared Metrology* at the Laboratory for Attosecond Physics (LAP) at MPQ and LMU
- 2013 – 2014 Postdoctoral researcher and visiting scientist in the Attoscience and Ultrafast Optics group (Prof. Jens Biegert) at the Institute for Photonic Sciences (ICFO) in Castelldefels, Barcelona, Spain
- 2011 – 2013 Postdoctoral Scientist at LAP (MPQ and LMU)

• SUPERVISION OF STUDENTS AND POSTDOCTORAL FELLOWS

- 2010 – Direct supervision of 15 Master students, 19 PhD students and 15 postdoctoral researchers. Currently, Ioachim Pupeza's research group consists of 4 senior scientists, 5 postdoctoral researchers, 7 PhD and 2 MSc students.

• TEACHING EXPERIENCE

- 2026 – Lecturer of the course Mechanik und Wärme (G1) / Experimentalphysik I at RPTU for first-semester students.
- 2025 – Lecturer for the course Biophotonics and ultrafast spectroscopy at RPTU, covering: molecular vibrational spectroscopy, generation and measurement of ultrashort laser pulses and modern methods of ultrafast spectroscopy for biology and medicine
- 2024 – Lecturer for the course Coherent Optics at RPTU, adapting the contents of the Photonics lectures, and supervisor for the Physikalisches Hauptseminar I, see below.
- 2023/2024 Lecturer for the courses Photonics I and II at the RPTU (see below), and co-supervisor for the Physikalisches Hauptseminar I, training MSc students for presenting current research topics.
- 2022/2023 Lecturer for the courses Experimentalphysik I – Mechanik at the LMU. The first-semester course covers classical mechanics and was attended by more than 400 students at the beginning of the semester.
- 2019 – 2022 Lecturer for the courses Photonics I and II at the LMU, chair of Experimental Physics, Laser Physics. The 1-year graduate course covers topics reaching from the basics of optics, over ultrashort-pulsed lasers to their applications in the investigation of light-matter interactions.
- 2016 – 2019 Lecturer for the course Physik im Querschnitt at the LMU in the winter semesters 2016/2017 and 2018/2019. The course reviews topics from all areas of physics and serves as a preparation for the final exam for highschool teacher candidates.
- 2002 – 2007 Several seminars in mathematics (e.g., Linear Algebra) and electrical engineering (e.g., Fundamentals of Electrical Engineering), TU Braunschweig.

• FELLOWSHIPS AND AWARDS

- 2023 Consolidator Grant from the European Research Council
- 2013 – 2023 Two technology transfer grants from the Max Planck Society
- 2012 Science Award of the *Stifterverband für die Deutsche Wissenschaft*
- 2004 – 2005 Visiting Fellow at the Harvard University, with a scholarship of the German National Academic Foundation. Completed Diploma thesis in electrical engineering.
- 2003 – 2006 Fellow of the German National Academic Foundation (*Studienstiftung des deutschen Volkes*)

• ESTEEM FACTORS

- 2022 Local Chair for CLEO/Europe-EQEC 2023 in Munich
- 2020 Topical Lead for the Program Committee of the Ultrafast Optics 2023 (UFO XIII) conference, Bariloche, Argentina
- 2019 – Reviewer for academic programs for the *Alexander von Humboldt-Stiftung* and the *Einstein Stiftung Berlin*
- 2017 – Research area coordinator for the DFG excellence cluster “Munich Centre of Advanced Photonics”
- 2015 – 2018 Representative of Scientific Staff of the MPQ in the Chemistry, Physics and Technology Section (CPTS) of the Max Planck Society
- 2013 – Member of selection committees for study scholarships of the German National Academic Foundation (*Studienstiftung des deutschen Volkes*)
- 2008 – Frequent reviewer for several high-ranked journals, including Nature Photonics, Nature Communications, Scientific Reports, Optica, Optics Letters, Optics Express, Applied Optics, Applied Physics B: Lasers and Optics, Laser & Photonics Reviews