

## Prof. Dr. Ulrike Woggon

born October, 22, 1958 – Berlin,  
Germany  
married, two children (1980, 1985\*)

Technische Universität Berlin  
Institut für Optik und Atomare Physik  
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### Scientific vita

Since 2008	Full Professor (W3), Institute of Optics and Atomic Physics, TU Berlin
1997 – 2007	Full Professor (C3), Department of Physics, Universität Dortmund
1993 – 1997	Research Assistant (C1), Institut für Angewandte Physik, Universität Karlsruhe (AG Prof. Klingshirn)
July 1995	Habilitation from University Kaiserslautern, Thesis title: “Optical Properties of Semiconductor Quantum Dots”
1992 – 1993	Postdoctoral researcher, Department of Physics, Universität Kaiserslautern (AG Prof. C. Klingshirn) and visiting scientist at the Optical Sciences Center, University of Arizona, Tucson (Prof. N. Peyghambarian)
1991	Postdoctoral researcher in the Biophysics Group, Humboldt-Universität
1987 – 1990	Postdoctoral researcher in the Semiconductor Optics Group, Humboldt-Universität zu Berlin
1986	maternal leave and child care
November 1985	Graduation with academic degree Dr. rer. nat. (Experimental Physics) from Humboldt-Universität zu Berlin, PhD Thesis title: “Nonlinear optics and high excitation effects in Galliumphosphid”
1982 – 1985	PhD Study in the Semiconductor Optics Group, Department of Physics, Humboldt-Universität zu Berlin
July 1982	Graduation with academic degree “Diplomphysikerin” from Humboldt-Universität zu Berlin, Diploma Thesis title: “Studies of radiative and non-radiative recombination in GaAs <sub>1-x</sub> P <sub>x</sub> :N,Te – mixed crystals”
1981 – 1982	Study of Physics, Humboldt-Universität zu Berlin
1980	maternal leave and child care
1977 – 1980	Study of Physics, Friedrich-Schiller-Universität Jena, Germany

### Research fields

Nanophotonic materials and devices, ultrafast and coherent spectroscopy, semiconductor quantum-dot based devices, nonlinear optics and plasmonics, quantum optical principles in semiconductors

### Memberships

Optical Society (OSA), Material Research Society (MRS), German Physical Society (DPG)

### **Awards (selection)**

- 1983 Humboldt-Price Award of the Humboldt-Universität zu Berlin for excellent Diploma Thesis
- 1992 Habilitation Grant (Postdoctoral Fellowship) (DFG-program for east-german young researchers)
- 2010 Elected Fellow of the Optical Society (OSA) awarded for "For seminal contributions to ultrafast spectroscopy and nano-optics of nanocrystals and quantum dots, and the demonstration of quantum optical principles with semiconductor nanostructures"
- 2014 Honorary Member of the Youth Chapter of the Spanish Optical Society (Membrio del Comité de Honor, Area Joven Sociedad Española Óptica)

### **Editorship(s)**

- 2011 – 2016 Springer Tracts in Modern Physics, Julius Springer Verlag Heidelberg
- 2002 – 2008 Editorial Board of "Nano Letters" (American Chemical Society)
- 2004 – 2007 Editorial Board of "The European Physical Journal B"

### **Publication Record**

~ 220 publications in refereed journals, 1 book, 3 books as co-editor, 8 book chapters. Number of total citations per 31.07.2019: ~7500 (h-factor >48) (journal articles), 2 granted patents

### **Currently Funded projects (selection)**

- DFG Wo 477/32 Two-dimensional CdSe nanoplatelets of magic size
- DFG Wo 477/30 Nonlinear plasmon-photon spectroscopy in k-space
- DFG SFB 787/A7 Coherent and incoherent dynamics in quantum dot – semiconductor optical amplifiers (QD-SOA) and novel gain media
- DFG GRK 1558/A5 Collective formation of a many electron-hole pair state
- BMBF VIP 0286 SILIMOD - Ultrasmall High-Speed Modulator for Integrated Photonics
- BMBF EXIST Silicon Photonics Enabling Exascale Data Networks (Speed)

### **International cooperations (selection)**

School of Engineering Sciences, Osaka University, Japan  
Department of Physics, University of Texas, Austin, USA  
Istituto Italiana de Tecnologia (ITT), Genua, Italy  
Physico-chemical Institute of Belorussian Academy of Sciences, Belarus

### **Organisational activities and academic service (selection)**

- Since 2019 Member of the Senate of the German Research Foundation (DFG)
- Since 2019 Chairperson of the Berlin School of Optical Sciences and Quantum Technology (BOS.QT)
- Since 2018 Member of the Senate Evaluation Committee (SAE) of the Leibniz Association
- Since 2015 Member of the DFG-Grants Committee for Collaborative Research Centres (Mitglied im DFG-Senats- und Bewilligungsausschuss für SFBs)
- Since 2015 Member of the „Kuratorium der Physikalisch-Technischen Bundesanstalt (PTB)“
- 2011 – 2018 Member Scientific Advisory Board of the Max-Born Institute, Berlin
- 2014 – 2016 Vorsitzende der Physikalischen Gesellschaft zu Berlin (PGzB)
- 2011 – 2014 Elected Member of the DFG Review Board 307 (Fachkollegiatin der DFG)
- 2010 – 2011 Vice President for Matter of Research and Appointments at TU Berlin
- 2001 – 2007 Spokesperson of the Topical PhD-Program GRK 726 „Materials and Concepts of Quantum Information Processing“, TU Dortmund