



ASS.PROF. DIPL.-PHYS. DR.RER.NAT.
RICHARD A. WILHELM



TU Wien
 Institute of Applied Physics
 Atomic and Plasma Physics Group
 Wiedner Hauptstr. 8-10/E134, 1040 Vienna, Austria

Telephone: +43 1 58801 13435
 Mobile: +43 664 60588 3435
 Fax: +43 1 58801 13499
 eMail: wilhelm@iap.tuwien.ac.at









ResearcherID: E-6939-2011
 ORCID: 0000-0001-9451-5440
 Website: www.iap.tuwien.ac.at/www/atomic/group/wilhelm/
<https://ions.science>

Nationality: German






RESEARCH INTEREST

- Ion beam physics
- Highly charged ions
- Surface nanostructures and their properties
- Electron microscopy (LEEM)
- 2D materials
- Ultrafast processes
- Atomic physics
- Plasma physics
- Nuclear Fusion

PROFESSIONAL EXPERIENCE

11/2019 - now	Assistant Professor (tenure track) TU Wien Institute of Applied Physics	
12/2016 – now	Research Associate (part time) Helmholtz-Zentrum Dresden-Rossendorf Institute of Ion Beam Physics and Materials Research Dr. Stefan Facsko	
10/2017 – 10/2019	University Assistant TU Wien Institute of Applied Physics Prof. Friedrich (Fritz) Aumayr	
04/2016 – 11/2016	Project Assistant (PostDoc) TU Wien Institute of Applied Physics Prof. Friedrich (Fritz) Aumayr	
12/2014 – 03/2016	PostDoc Helmholtz-Zentrum Dresden-Rossendorf Institute of Ion Beam Physics and Materials Research Dr. Stefan Facsko	
01/2011 – 12/2014	PhD Student Helmholtz-Zentrum Dresden-Rossendorf Institute of Ion Beam Physics and Materials Research Dr. Stefan Facsko	
09/2009 – 11/2009	Guest Scientist Stockholm University Atomic Physics Department AlbaNova Prof. Reinhold Schuch	
07/2006 – 12/2010	Student Assistant Helmholtz-Zentrum Dresden-Rossendorf Institute of Ion Beam Physics and Materials Research Dr. Stefan Facsko	

EDUCATION

2011 – 2014 (05 th Dec 2014)	PhD in physics (Dr. rer. nat.) final mark: summa cum laude Prof. Jürgen Fassbender	 
12/2010	Diploma in physics (Dipl.-Phys.) final mark: very good Prof. Wolfhard Möller	 
2005 – 2010	Studies of physics at the Technische Universität Dresden	

MEMBERSHIP IN PROFESSIONAL ASSOCIATIONS

Österreichische Physikalische Gesellschaft (ÖPG)



Deutsche Physikalische Gesellschaft (DPG)
















EDITORIAL DUTIES AND MEMBERSHIP ADVISORY BOARD

2020 - now International Conference on Elementary Processes in Atomic Systems (CEPAS)



GRANTS AND AWARDS

- 2020 FWF-ANR International Joint Project, 48 months period, acting as Austrian Co-PI 
- 2020 Max Auwärter Preis, Award from the Max Auwärter Foundation, Liechtenstein 
- 2019 OeAD WTZ grant Croatia, 24 months period 
- 2019 FWF START Prize, 72 months period 
- 2019 Research grant from TU Wien - Innovative Project, Funding of Staff, 36 months period 
- 2019 Best Lecture Award of TU Wien for the contribution to the lecture 'Fundamentals of Physics Ia and Ib' 
- 2018 OMAA/OeAD/AÖU Travel and Scientific Exchange Grant between Austria and Hungary 
- 2018 IBMM Prize from the Ion Beam Materials Modification Conference San Antonio, TX, USA for outstanding contributions to the field 
- 2016 Research grant from the Deutsche Forschungsgemeinschaft (DFG), 36 months period 
- 2015 Research award of the Helmholtz-Zentrum Dresden-Rossendorf 
- 2014 Travel grant of the International Conference on Highly Charged Ions, Bariloche, Argentina 
- 2005 Book award of the Deutsche Physikalische Gesellschaft 
- 2005 High school student award of the Deutsche Physikalische Gesellschaft 

SCIENTIFIC TALKS

12 Invited Talks on international conferences incl. 1 Plenary Talk

4 Invited Talks to Institute's Seminars incl. 1 Research Center Colloquium

more than 30 talks and poster presentations on international workshops and conferences

CONFERENCE AND EVENT ORGANIZATION

2017 1st International Summer School on Inelastic Ion-Surface Collisions IISC, Dresden, Germany - Chair



2017 22nd International Workshop on Inelastic Ion-Surface Collisions IISC, Dresden, Germany - Local organizing committee

