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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

10/2017 – now	University Assistant TU Wien Institute of Applied Physics Prof. Friedrich (Fritz) Aumayr	
12/2016 – now	Research Associate (part time) Helmholtz-Zentrum Dresden-Rossendorf Institute of Ion Beam Physics and Materials Research Dr. Stefan Facsko	
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)



GRANTS, AWARDS AND APPOINTMENTS

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| 2019 | FWF START Prize 2019, research grant, 72 months period |  |
| 2019 | Best Lecture Award 2019 of TU Wien for the contribution to the lecture 'Fundamentals of Physics Ia and Ib', shared among 16 awardees |  |
| 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

11 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

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| 2017 | 1 st International Summer School on Inelastic Ion-Surface Collisions IISC, Dresden, Germany - Chair |  |
| 2017 | 22 nd International Workshop on Inelastic Ion-Surface Collisions IISC, Dresden, Germany - Local organizing committee |  |