

Dr. Karl Remeis Observatory
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Current position

Professor of Multiwavelength Astronomy (W2), FAU Erlangen-Nürnberg	since 2016
Associate Dean for Internationalisation and Diversity of the Faculty of Science	since 2023

Scientific degrees

Habilitation in Experimental Physics, Eberhard Karls Universität Tübingen	2016
Dr. rer. nat. in Astronomy, Ludwig-Maximilians Universität Munich, Max Planck Institute for Extraterrestrial Physics, Prof. Joachim Trümper	2002
Diploma in Physics (Dipl.-Phys.), Ruprecht-Karls Universität Heidelberg, Landessternwarte, Prof. Stefan Wagner	1997

Professional experience

Heisenberg-Professor, FAU Erlangen-Nürnberg	2016 – 2020
W1 (with tenure track W3) Professor, Eberhard Karls Universität Tübingen	2016, declined
Heisenberg-Fellow, Eberhard Karls Universität Tübingen	2016
Emmy Noether research group leader, Eberhard Karls Universität Tübingen	2010 – 2015
Postdoc, Eberhard Karls Universität Tübingen	2009 – 2010
Maternity break (two children, born in 2005 and 2007)	2006 – 2009
Postdoc, Harvard-Smithsonian Center for Astrophysics, USA	2003 – 2005
Postdoc, Max Planck Institute for Extraterrestrial Physics, Garching	2002
Ph.D. student, Max Planck Institute for Extraterrestrial Physics, Garching	1998 – 2002

Research focus

Multi-wavelength study of Galactic high-energy sources and nearby galaxies, evolution of galaxies, source populations, supernova remnants, interstellar medium, cosmic ray sources, shock physics

Prizes and awards

Renate Wittern-Sterzel Prize of FAU	2023
Heisenberg-Fellowship and -Professorship of the German Research Foundation (Deutsche Forschungsgemeinschaft, DFG)	2016
Emmy Noether-Fellowship of the DFG	2010

Duties at the Friedrich-Alexander-University Erlangen-Nürnberg

- Associate Dean for Internationalisation and Diversity of the Faculty of Science (since 2023)
- Member of the Commission for Internationalisation (since 2023)
- Academic Advisor for Physics studies (since 2021)
- Member of the Committee of experts for the review of draft proposals for the Excellence cluster of the DFG (2021 – 2023)
- Member of the Commission for Equal Opportunities (since 2020)
- Member of the Admission Committee for Master's degree programme in Physics (since 2018)
- Member of the Selection Committee for the Ohm Prize in Physics (since 2017)

Other professional activities in Astronomy and Astrophysics

Funding review

- Member of the review board (Fachkollegium) 311 (now 3.25) for Astronomy and Astrophysics of the German Research Foundation (Deutsche Forschungsgemeinschaft) 2020 – 2024, re-elected for 2024 – 2028, deputy spokesperson.
- Member of the review committee (Gutachterausschuss) of the Federal Ministry of Education and Research (BMBF) "Universe 2023 – 2026"
- Selection panel member for the Einstein Fellowship (NASA) and Academy of Finland
- Reviewer for the Swiss National Science Foundation, Italian National Institute for Astrophysics, Deutsche Forschungsgemeinschaft, Alexander von Humboldt Foundation

Observation review

- Chairperson of the Time Allocation Committee Panel for XMM-Newton (ESA)
- Time Allocation Committee member for observations with XMM-Newton (ESA), Chandra X-ray Observatory (NASA), Suzaku (JAXA/ESA), and NuSTAR (NASA)

Editorship

- Section editor for the "Handbook of X-ray and Gamma-ray Astrophysics", Springer
- Guest editor for the Topical Collection "Plasma, Particles, and Photons: ISM Physics Revisited" of "Astrophysics and Space Sciences", Springer
- Member of the Editorial College of the scientific publication portal SciPost

Publication review

- Reviewer for science journals: Acta Polytechnica, Experimental Astronomy, Journal of High Energy Astrophysics, Monthly Notices of the Royal Astronomical Society, Publications of the Astronomical Society of Japan, Publications of the Astronomical Society of Australia, The Astrophysical Journal.

Membership in professional societies

- German Physical Society
 - German Astronomical Society
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- American Astronomical Society
- International Astronomical Union

Memberships and roles in consortia and collaborations

eROSITA

Member of the eROSITA-SDSS Collaboration Committee	2022 – now
Mediator of the eROSITA Consortium	2021 – now
Senior Member of the eROSITA Consortium	2012 – now
Co-chair of the eROSITA “Supernova Remnants/Diffuse Emission” Science Working Group (SWG) of the eROSITA Consortium	2011 – now

High Energy Stereoscopic System (H.E.S.S.)

Member of the Observation Committee of the H.E.S.S. Collaboration	2019 – 2022
Member of the Multiwavelength Support group of the H.E.S.S. Collaboration	2017 – 2020
Member of the H.E.S.S. Collaboration	2014 – now

Athena X-ray Observatory

Co-chair of the Topical Panel for “Supernova Remnants and Interstellar Medium” of the Athena X-ray Observatory, an L-class mission of ESA	2021 – now
Member of the Athena Topical Panels for “Supernova Remnants and Interstellar Medium” and “Multiwavelength Synergy”	2015 – now
Member of the Athena Wide Field Imager Science Team	2014 – now

LiteBIRD

Member of the LiteBIRD Consortium, an L-class mission of JAXA	2020 – now
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Cherenkov Telescope Array

Member of the Cherenkov Telescope Array Collaboration	2021 – now
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Square Kilometre Array (SKA)

Member of the SKA Observatory Collaboration	2024 – now
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Advanced X-ray Imaging Satellite (AXIS)

Member of the SWGs for “Compact Objects and Supernova Remnants” and “Galaxy Evolution” of AXIS, a NASA Probe Mission Concept	2022 – now
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Line Emission Mapper (LEM)

Member of the SWG for “Stellar Feedback” and “Milky Way and Observatory Science” of LEM, a NASA Probe Mission Concept	2022 – now
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