

CONTACT INFORMATION

Max Planck Institute for Astronomy
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EDUCATION

Aug 2012 – May 2013/ Aug 2014 – Aug 2018 **Ph.D. in Astronomy and Astrophysics, 18.08.2018**
Steward Observatory, The University of Arizona, AZ, USA
Supervisor: Xiaohui Fan

Oct 2011 – July 2012/ Oct 2013 – Sep 2014 **M.Sc., Physics, 01.09.2014 (grade: 1.0)**
Christian-Albrechts-Universität zu Kiel, Kiel, Germany
Supervisor: Wolfgang J. Duschl

Oct 2008 – Oct 2011 **B.Sc., Physics, 19.10.2011 (grade: 1.7)**
Christian-Albrechts-Universität, Kiel, Germany

PROFESSIONAL EXPERIENCE

Oct 2018 – present **Postdoctoral Researcher**
Max Planck Institute for Astronomy, Heidelberg, Germany

Aug 2012 – Aug 2018 **Graduate research and teaching assistant**
Steward Observatory, University of Arizona, USA

REFEREED JOURNAL PUBLICATIONS (ATTACHED FILE, FIRST PUBLICATION IN 2015)

First Author Publications Six papers.
Co-Author Publications Eight papers.
Total publications (15.12.2019) Fourteen.

RESEARCH GRANTS

HST, Cycle 23, 2015, (as science PI - \$149,266) *Constraining the merger pair fraction of ~ 1000 quasars with a new catalog of PSF subtracted images*, AR Proposal 14312

OTHER GRANTS

Small Matching Grant (\$900), Theoretical Astrophysics Program, University of Arizona

HONORS AND AWARDS

2019 Best Poster Prize (IAU Symposium 352, Portugal, June 2019)

2012–2013 **Fulbright Scholarship**
The German-American Fulbright Commission

2011 **Annual Award for excellent academic achievements and commitment**
Association for the support of the Faculty of Mathematics and Natural Sciences,
Christian-Albrechts-Universität zu Kiel

2008–2014 **Student Scholarship**
German Academic Scholarship Foundation

SUPERVISION AND TEACHING EXPERIENCE

- July 2019 – Sept 2019 Co-supervision of a summer student: Zhang-Liang Xie
Max Planck Institute for Astronomy, Heidelberg, Germany
- Oct 2018 – July 2019 Co-supervision of a bachelor thesis project, student: Lukas Wenzl
Max Planck Institute for Astronomy, Heidelberg, Germany
- Feb 2018 – May 2018 Co-supervision of an undergraduate project, student: Lukas Wenzl
Steward Observatory, University of Arizona, USA
- Aug 2016 – Dec 2016 Teaching Assistant, Astronomy 203 - Stars
Steward Observatory, University of Arizona, USA
- Aug 2015 – Dec 2015 Teaching Assistant, Astronomy 170B1 - The Physical Universe
Steward Observatory, University of Arizona, USA

OBSERVATIONAL EXPERIENCE

- Principal Investigator of accepted proposals for VATT (50 nights), MMT (6 nights), SOAR (14 nights), Gemini-North (15.7 hours), LBT (19.5 hours), NOEMA (4 hours), HST (archival).
- Co-Investigator of accepted proposals for ALMA, NOEMA, MMT, Magellan, LBT, VLT-XSHOOTER, Gemini-North.
- On-site/Remote observational experience at VATT/VattSpec (50 nights), Magellan/FIRE (2 nights), MMT/RedChannel (10 nights), SOAR/Goodman HTS (14 nights), LBT (13.5 nights).

CONFERENCES AND TALKS

Invited Talks

- 2018 **AGN Selection Opportunities and Challenges with the LSST**
LSST2018 Project and Community Workshop, August 2018, Tucson, Arizona, USA
- 2016 **Asteroseismic Constraints on the Evolutionary Models of Hot Subdwarfs**
Seismology of the Sun and the Distant Stars, July 2016, Angra do Heroísmo, Terceira-Asçores, Portugal

Contributed Conference Talks

- 2019 **The Extremely Luminous Quasar Surveys and the Quasar Luminosity Function at Cosmic Noon**
Cosmic Evolution of Quasars: from the First Light to Local Relics, October 2019, KIAA-PKU, Beijing, China
- 2018 **The Extremely Luminous Quasar Survey (ELQS) in SDSS and the high-z bright-end Quasar Luminosity Function**
PhD Talk, American Astronomical Society, AAS Meeting #231, January 2018
- 2017 **The Extremely Luminous Quasar Survey (ELQS) in SDSS**
Annual Meeting of the Astronomische Gesellschaft 2017, September 2017, Georg-August-Universität Göttingen, Germany
- 2015 **MESA Stellar Evolution Models of sdB Stars**
Seventh Meeting on Hot Subdwarf Stars and Related Objects, July 2015, University of Oxford, United Kingdom
- 2013 **Exploring stellar evolution models of sdB stars using MESA with convective overshoot**
Sixth Meeting on Hot Subdwarf Stars and Related Objects, May 2013, The University of Arizona, USA

Contributed Poster Presentations

- 2019 **The Extremely Luminous Quasar Surveys and the Quasar Luminosity Function at Cosmic Noon**
IAU Symposium 352: Uncovering early galaxy evolution in the ALMA and JWST era, June 2019, Viana do Castelo, Portugal
- 2018 **The Extremely Luminous Quasar Survey (ELQS) and the Bright-End Quasar Luminosity Function at $z=2.8-4.5$**
Massive black holes in evolving galaxies: from quasars to quiescence, June 2018, Institut d'astrophysique de Paris, Paris, France
- 2016 **Stellar and Black Hole Mass Densities as Empirical Tracers of Co-Evolution Show Lock-Step Growth since $z \sim 3$**
AGN: What's in a name?, June 2016, ESO Headquarters, Garching, Germany

Other Institutional Talks

- 15.11.2019 NOAO Flash-Talk **The Extremely Luminous Quasar Surveys and the Bright-End Quasar Luminosity Function at Cosmic Noon**
National Optical Astronomy Observatory, Tucson, Arizona, USA
- 16.05.2019 ESO AGN Club **The Extremely Luminous Quasar Surveys**
European Southern Observatory, Garching, Germany
- 29.11.2018 Galaxy Coffee **The Extremely Luminous Quasar Survey and the Quasar Luminosity Function**
Max Planck Institute for Astronomy, Heidelberg, Germany
- 25.05.2018 NOAO Flash-Talk **The Extremely Luminous Quasar Survey (ELQS) and the Bright-End Quasar Luminosity Function at $z=2.8-4.5$**
National Optical Astronomy Observatory, Tucson, Arizona, USA
- 28.06.2017 Special Seminar **The Extremely Luminous Quasar Survey (ELQS)**
Leibniz-Institut for Astrophysics, Potsdam, Germany
- 22.06.2017 Cake Talk **The Extremely Luminous Quasar Survey (ELQS)**
DARK, Niels Bohr Institute, University of Copenhagen, Denmark

COMMUNITY ACTIVITIES

Service

- Time allocation committee (MPIA) 2019–present
- Ph.D. application committee (IMPRS-HD) 2019

Outreach

- 2017 Public Talk at the “Astronomy on Tap Series”, Borderlands Brewery, Tucson
- 2017 Invited Article in the German on-line magazine “Krautreporter”
- 2017 Invited talk about Black Holes to 7th grade students, Desert Sky Middle School, Tucson
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PROFESSIONAL MEMBERSHIPS

- LSST AGN Science Collaboration
- Deutsche Physikalische Gesellschaft (German Physical Society)
- Astronomische Gesellschaft (German Astronomical Society)