

Ekaterina I LIN

PhD student in astrophysics

date of birth

1992-09-11

contact

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languages

russian, german
(bilingual)
english C1
french B2

skills

Python, Unix, LaTeX,
Git(Hub)

education

- 2018 **PhD in Astrophysics** Leibniz Institute for Astrophysics Potsdam (AIP), Germany
→ongoing Specialization in Star-Planet-Interactions
Stellar Flares in Star-Exoplanet Systems and Young Stars
I am interested in magnetic star-planet interactions, and their long-term effects on exoplanet habitability and stellar evolution.
- 2016 → 2018 **Master of Science in Astrophysics** University of Potsdam, Germany
Specialization in Stellar Activity
Flares in Clusters using K2 Data
This thesis quantified the relation between flaring activity on cool stars and their masses and ages for ZAMS to 600 Myr and K to mid-M dwarfs.
1,0 with distinction
- 2012 → 2016 **Bachelor of Science in Physics** Karlsruhe Institute of Technology, Germany
Specialization in Biophysics
Uptake of TAT-coated Gold Nanoclusters in Live HeLa-Cells
1,4 very good

work and teaching

- 2016 → 2018 **University of Potsdam** Potsdam, Germany
Tutor for undergraduates.
- 2018 **Leibniz Institute for Astrophysics (AIP)** Potsdam, Germany
Research Assistant
- 2011 → 2012 **SchulLV GmbH** Karlsruhe, Germany
Author of teaching aid in mathematics.

awards and scholarships

- 2018 **Visiting Scientist** NASA Ames Research Center, Mountain View, CA, USA
Awarded funding for a research visit at the Kepler mission headquarters.
- 2018 **Challenge Winner** HackHPI 2018 hackathon.
Data science challenge by Tableau.
- 2014 **Erasmus+ Scholarship** Universitet i Oslo, Norway
Awarded funding for six month of undergraduate studies.
Focus: Space Physics, Computational Physics
- 2012 → 2018 **Full Scholarship** German Academic Scholarship Foundation

presentations

- | | | |
|------|--|---|
| 2018 | Poster | CoolStars20, Boston, MA, USA |
| | Exploring flaring activity as an age indicator using open cluster data | |
| 2018 | Talk | Dwarf Stars and Clusters with K2, Boston, MA, USA |
| | In Search of the Flaring-Age Relation. | |

publications

- Flares in Open Clusters with K2. I. M45 (Pleiades), M44 (Praesepe) and M67**
Ilin, Ekaterina; Schmidt, Sarah J.; Davenport, James R. A.; Strassmeier, Klaus G.
Accepted to Astronomy & Astrophysics, 2019