

EkaterinaLIN

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 → ongoing **PhD in Astrophysics** Leibniz Institute for Astrophysics Potsdam (AIP), Germany
Supervisor: Prof. Dr. Katja Poppenhäger
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
Supervisor: Prof. Dr. Klaus Strassmeier
Flares in Clusters using K2 Data
1,0 "with distinction"

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.
- 2012 → 2016 **Bachelor of Science in Physics** Karlsruhe Institute of Technology, Germany
Specialization in Biophysics
Supervisor: Prof. Dr. Ulrich Nienhaus
Uptake of TAT-coated Gold Nanoclusters in Live HeLa-Cells
1,4 "very good"

work and teaching

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

awards and scholarships

2020 →ongoing	Doctoral Scholarship Includes a stipend, and additional academic and financial support throughout the doctoral studies.	German Academic Scholarship Foundation
2019	Graduation Award Award tendered to excellent master theses earned at universities in Berlin and Potsdam.	Physikalische Gesellschaft zu Berlin, Berlin, Germany
2018	Visiting Scientist Awarded funding for a research visit at the Kepler mission headquarters.	NASA Ames Research Center, Mountain View, CA, USA
2018	Hackathon Challenge Winner Data science challenge by <i>Tableau</i> .	HackHPI, Hasso Plattner Institute, Potsdam, Germany
2014	Erasmus+ Scholarship Awarded funding for six month of undergraduate studies. Focus: Space Physics, Computational Physics	Universitet i Oslo, Norway
2012 →2018	Full Scholarship	German Academic Scholarship Foundation

presentations

2019	Conference talk At a gallop: stellar flares from Kepler/K2 and TESS	16th Potsdam Thinkshop: The rotation periods of cool stars: Measurements, uses, connections and prospects Potsdam, Germany
2019	Poster The frequency of super-Carrington flares in the solar-age cluster M67	3rd Advanced School on Exoplanetary Demographics Vietri sul Mare, Italy
2019	Conference talk Stellar magnetic evolution: flaring activity in K2 open clusters	Planet-Star Connections in the Era of TESS and Gaia Santa Barbara, CA, USA
2019	Seminar talk Stellar magnetic evolution: superflares	Centre for Star and Planet Formation (STARPLAN) Copenhagen, Denmark
2018	Conference poster Exploring flaring activity as an age indicator using open cluster data	CoolStars20 Boston, MA, USA
2018	Workshop talk In search of the flaring-age relation.	Dwarf Stars and Clusters with K2 Boston, MA, USA

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.
2019, *Astronomy & Astrophysics*, 622, A133/16.
doi:10.1051/0004-6361/201834400, *ArXiv*:1812.06725

volunteering

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|----------|---|--|
| 2017 | Python in astronomy | University of Potsdam
Leibniz Institute for Astrophysics Potsdam - AIP |
| →ongoing | Running a Python code review group with the master students in astrophysics on a biweekly basis in 2017/2018. Running the Python Club at AIP since 2019. | |
| 2016 | Effective Altruism | Effective Altruism Berlin, Potsdam
Studienstiftung d. dt. Volkes
Netzwerk für Effektiven Altruismus Deutschland e.V. |
| →ongoing | Organising interdisciplinary workshops for 20-120 participants, reading groups, and recreational activities; local group head in Potsdam. Currently member of the executive board of the German Network for Effective Altruism (NEAD e.V.). | |
| 2013 | Scientific youth | Deutsches Jungforschernetzwerk - juFORUM e.V. |
| →ongoing | Organising interdisciplinary workshops and symposia for youth in STEM, presenting at science fairs, publishing articles in the club magazine; member of the executive board. | |