

# Ekaterina ILIN

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 → **01/2022** **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"

## refereed 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

## telescope time

- 2020 **SALT HRS, 2.8 hours DDT**  
PI: Katja Poppenhäger

## work and teaching

- 2020 **University of Potsdam** Potsdam, Germany  
*Teaching assistant for undergraduates.*
- 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.*

## presentations

2019	<b>Conference talk</b>	16th Potsdam Thinkshop: The rotation periods of cool stars: Measurements, uses, connections and prospects Potsdam, Germany
	At a gallop: stellar flares from Kepler/K2 and TESS	
2019	<b>Conference talk</b>	Planet-Star Connections in the Era of TESS and Gaia Santa Barbara, CA, USA
	Stellar magnetic evolution: flaring activity in K2 open clusters	
2018	<b>Conference poster</b>	CoolStars20 Boston, MA, USA
	Exploring flaring activity as an age indicator using open cluster data	
2018	<b>Workshop talk</b>	Dwarf Stars and Clusters with K2 Boston, MA, USA
	In search of the flaring-age relation.	

## awards and scholarships

2020 →ongoing	<b>Doctoral Scholarship</b>	German Academic Scholarship Foundation
	Includes a stipend, travel grants, and academic support throughout the doctoral studies.	
2019	<b>Graduation Award</b>	Physikalische Gesellschaft zu Berlin, Berlin, Germany
	Award for excellent master theses in physics earned at universities in Berlin and Potsdam.	
2018	<b>Visiting Scientist</b>	NASA Ames Research Center, Mountain View, CA, USA
	Awarded funding for a research visit at the Kepler mission headquarters.	
2014	<b>Erasmus+ Scholarship</b>	Universitet i Oslo, Norway
	Awarded funding for six month of undergraduate studies. Focus: Space Physics, Computational Physics	
2012 →2018	<b>Full Scholarship</b>	German Academic Scholarship Foundation
	Includes a stipend, travel grants, and academic support throughout the undergraduate and graduate studies.	

## volunteering

2017 →ongoing	<b>Python in astronomy</b>	University of Potsdam Leibniz Institute for Astrophysics Potsdam - AIP
	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 →ongoing	<b>Effective Altruism</b>	Effective Altruism Berlin, Potsdam Studienstiftung d. dt. Volkes Netzwerk für Effektiven Altruismus Deutschland e.V.
	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 →ongoing	<b>Junior scientists network</b>	Deutsches Jungforschernetzwerk - juFORUM e.V.
	Organising interdisciplinary workshops and symposia for students and young researchers in STEM, presenting at science fairs, publishing articles in the club magazine; member of the executive board.	