

NICOLAS KURTOVIC

Postdoctoral Researcher
Max Planck Institute for Astronomy

CONTACT INFORMATION

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CURRENT AND PREVIOUS POSITIONS

Max Planck Institute for Astronomy

Postdoctoral researcher. Advisor: Myriam Benisty Sept 2025 - May 2026

Max Planck Institute for Extraterrestrial Physics

Postdoctoral researcher. Advisor: Ewine van Dishoeck Sept 2023 - Aug 2025

EDUCATION

Max Planck Institute for Astronomy

Ph.D. in Astronomy. Advisor: Paola Pinilla Sept 2019 - Aug 2023
Thesis: "Origin and characterization of disks substructures, and their relation to stellar hosts"

Universidad de Chile

M.Sc. in Astronomy. Advisor: Laura Pérez 2017 - 2019
B.Sc. in Astronomy 2012 - 2016

SERVICE AND COMMUNITY WORK

Reviewer:

- Journal Referee (*MNRAS*, *A&A*, *ApJ*). 2021-Present
- Dual anonymous peer-review for 16 proposals. 2021-Present
ALMA 8, 8b, 9, 10, 11, 12, and ESO P110.

Organizer:

- Member of organizing committee for [ESO-Grubber Summer School](#) June 2025
- Coordinator of observations for EDEN-Heidelberg team. 2021-2022
Organized over 100 nights at the 1.23m telescope in CAHA.
- Co-organizer of the EDEN Science Workshop. Online workshop. Dec. 2021
- Student Representative IMPRS Generation: 2019-2020
Max Planck Institute for Astronomy (MPIA), Germany.

Developer:

- Data reduction pipeline for high resolution spectrograph VLT/CRIRES+. 2023-2025
Reduced data presented in [Kurtovic et al., \(2025b\)](#)
- CASA Extension for ALMA synthetic observations [SIMIO](#) June 2025
Published in [Kurtovic et al., \(2024a\)](#)

OBSERVATIONAL EXPERIENCE

ALMA,	2019-2025
5 PI proposals accepted (146.2 hrs observed, 4 Regular Proposals, 1 Large Program).	
23 Co-I proposals accepted.	
1.23m Telescope, CAHA, EDEN Project	46 nights as observer 2019-2022
HARPS, 3.6m Telescope, La Silla Obs.	8 nights as observer 2017-2018
MIKE, Clay Magellan Telescope, Las Campanas Obs.	2 nights 2017
GOTO 45cm Telescope, OAN Chile.	Operator 2017-2019;2025

ADVISING

co-Advisor, 7th ESO Summer Research Programme (6 weeks)	2025
co-Advisor for 2 summer students at ESO-Garching:	
Manuela Leguizamón: “Recovering the orbit of interacting binaries”.	
Alfonso Pisapia: “Study on the rotation of water around a proto-black hole”.	
co-Advisor, Bachelor’s thesis	Spring 2025
co-Advisor for 2 Bachelor’s students at Leiden University:	
Olivier Coopmann & Philip Stoot.: “The Impact of Stellar Multiplicity on the Dust Content of Disks around Young Stellar Objects”.	
co-Advisor, Master’s thesis	2023-2024
co-Advisor for Master’s thesis of Sreejita Das: “A Global Model of TW Hya’s outer dust-disk with ALMA”.	
Published in Das, Kurtovic, Flock (2024).	
co-Advisor, Red de Estudiantes Colombianos Astronomia. (10 weeks)	2022
Supervised summer intern Julian Gaviria (undergraduate student).	
co-Advisor, Universidad de Chile. (4 weeks)	2019
Supervised summer intern Jaime Castillo (undergraduate student).	

TEACHING

Teaching Assistant, Heidelberg University, 2 semesters (6hrs/week)	2021
“Statistical Methods”	
Instructor, Universidad de Chile.	2018 - 2019
Trained high-school teachers in “Experimental Sciences for the Classroom” one month in 2018, one month in 2019, and one weekend in 2019. Duties consisted in supporting experiments and guiding discussions. (4hrs/week)	
Teaching Assistant, Universidad de Chile, 10 semesters (6hrs/week)	2015 - 2019
Including “Multivariable calculus” (x1), “Advanced Calculus” (x1), “General Astronomy” (x2), “Planetary Science” (x2), and “Stellar Astrophysics” (x6),	
Math Tutor, Adult Education. (2hrs/week)	2017
Taught math to adults who wanted to complete their high school education.	
Volunteer Teacher, (10hrs/week)	2014 - 2015, 2018
Taught Maths, Chemistry, and Physics in after-school programs for students from under-privileged communities.	