

Iva Laginja

Curriculum Vitae - July 2021

CURRENT AFFILIATIONS: DOTA, ONERA, Université Paris Saclay, F-92322 Châtillon, France
Aix Marseille Université, CNRS, LAM, UMR 7326, 13388 Marseille, France
NATIONALITY: Austria
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Research interests: Astronomical instrumentation, high contrast imaging, coronagraphy, image formation theory, Fourier optics, wavefront sensing and control, exoplanet detection

EDUCATION

Dec 2021 **PhD, Astronomy and Astrophysics**, STScI/ONERA/LAM, USA/France
Thesis: High-contrast imaging on future large space-based telescopes
Supervisors: Rémi Soummer, Laurent Mugnier, Jean-François Sauvage
2017 **MSc, Astronomy and Instrumentation**, Leiden University, Netherlands
Major (MSc) Thesis: "Laboratory characterization and end-to-end simulations of the Apodizing Phase Plate Coronagraph"
Minor Thesis: "Exo-ringsystem in the Edge-On Planetary System of β Pictoris"
Supervisors: Matthew Kenworthy, Christoph Keller
2015 **BSc, Astronomy and Physics**, University of Vienna, Austria
2011 High School Diploma, Theresianische Akademie Wien, Austria

WORK EXPERIENCE

JUL 2020 - Current **Graduate student researcher**
Jul 2020 - current: *ONERA*, Marseille, France
Oct 2018 - Jul 2020: *Space Telescope Science Institute*, Baltimore, USA
NOV 2019 - JUL 2020 **Astronomical Optics Scientist**
Space Telescope Science Institute, Baltimore, USA
Research and operational work at the [Russell B. Makidon Optics Laboratory](#)
SEP 2017 - NOV 2019 **Research and Instrument Analyst**
Space Telescope Science Institute, Baltimore, USA
Research and operational work at the [Russell B. Makidon Optics Laboratory](#)

TECHNICAL SKILLS

Python, conda, git, GitHub (expert); bash, \LaTeX , IDL, Matlab, Mathematica

LANGUAGES

GERMAN:	Mother tongue	CROATIAN:	Mother tongue
ENGLISH:	Fluent	FRENCH:	Fluent
RUSSIAN:	Basic Knowledge	DUTCH:	Basic Knowledge

TALKS AND SEMINARS

- 2020
 - NYRIA workshop contributed talk, online
 - LESIA invited seminar talk, Paris, France
 - GRD invited seminar talk, online
- 2019
 - Spirit of Lyot contributed talk, Tokyo, Japan
“Laboratory Demonstration of High Contrast Imaging on Segmented Apertures: Results from the STScI HiCAT Testbed”
 - SPIE Optics&Photonics contributed talk, San Diego, USA
“Wavefront error tolerancing for direct imaging of exo-Earths with a large segmented telescope in space”
- 2018
 - GRD invited seminar talk, Marseille, France
 - STScI Instruments Division Science meeting talk, Baltimore, USA
- 2016
 - Leiden Observatory Science Day invited talk, Leiden, Netherlands

SUMMERSCHOOLS AND WORKSHOPS

- 2020 LAM High Angular Resolution Summer School, online
- 2019 CfAO Adaptive Optics Summer School, University of Santa Cruz, USA
- 2016 ESA Concurrent Engineering Workshop, Redu, Belgium
- From Rocks to Pebbles Lorentz Center Workshop, Leiden, Netherlands
- Exoplanets I Conference, Davos, Switzerland
- 2nd Tautenburg School for Advanced Astronomical Observations, TLS Tautenburg, Germany
- 2014 Dunlap Institute Instrumentation Summer School, University of Toronto, Canada

COMMUNITY SERVICE AND OUTREACH

- Organizer and teacher of Git and GitHub trainings for junior and permanent researchers in France, 2020 - Present
- SPIE Equity, Diversity and Inclusion Committee member, 2020 - Present
- LAM instrumentation group (GRD) seminar organizer, 2020 - Present
- Co-organizer of the [High contrast testbed community website](#) initiative
- Initiated the creation of the [Russell B. Makidon lab website](#), 2019
- Outreach talks and demonstrations with “BabyCAT”, a portable coronagraphy tutorial bench
- Leiden Old Observatory tour guide, 2016-2017

MENTORING OF STUDENTS AND INTERNS

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|------|-----------------|--|
| 2021 | David Bourgeois | 6-month intern (LAM), masters student, co-supervised with J.-F. Sauvage |
| 2020 | Kelsey Glazer | 6-month intern (STScI), physics undergrad, supervisor: R. Soummer |
| 2019 | Lucas Batista | 2-month SASP intern (STScI), “BabyCAT” outreach, supervisor: T. Rhue |
| 2019 | Maggie Kautz | 3-month intern (STScI), optics undergrad, supervisor: R. Soummer |