

CURRICULUM VITAE

Personal Details

Dr. Stefanie Rätz
Freiburg Institute of Advanced Studies (FRIAS)
Albert-Ludwigs-Universität Freiburg
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E-Mail: stefanie.raetz@frias.uni-freiburg.de
Homepage: <http://straetz.stiller-berg.de/>
Date of birth: January 28th, 1984
Place of birth: Bad-Salzungen, Germany
single, German



Research interests

Detection and characterization of exoplanets
Transiting exoplanets around young stars and the activity of stars harbouring exoplanets
Time-scales of planet formation and migration
Transit timing variations and eclipse time variations of eclipsing binaries
Variability of young stars

Education

- July 2012 PhD in Astronomy at the Astrophysical Institute and University Observatory of the Friedrich-Schiller-University Jena
Topic: "Search for extrasolar planets via observation of transit timing variations"
advisor: R. Neuhäuser
- March 2008 Diploma at the Astrophysical Institute and University Observatory of the Friedrich-Schiller-University Jena
Topic: "Search for extrasolar planets with the help of the transit method in the observatory Großschwabhausen"
advisor: R. Neuhäuser
- June 2002 Abitur at the "Philipp-Melanchthon Gymnasium" in Schmalkalden
Topic of the Seminarfacharbeit "Observations of an eclipsing binary with an astronomical CCD-camera to determine the period of light variations"
advisor H. Rosenbusch

Working Experience

- since Oct. 2016 **Freiburg Institute of Advanced Studies (FRIAS)**, Freiburg, Germany
Junior Fellow; working on search for transiting planets in young open clusters
- 2013 – 2016 **ESA/ESTEC, Directorate of Science**, Noordwijk, The Netherlands
Postdoctoral Research Fellow; working on high precision ground-based follow-up of transiting exoplanets, especially from the CoRoT mission.
- 2012 – 2013 **Astrophysical Institute and University Observatory Jena**, Germany
Research assistant; working on search for transiting planets in young open clusters
- 2008 – 2012 **Astrophysical Institute and University Observatory Jena**, Germany
Research assistant/PhD student; working on detection of transit timing variations
- summer 2006 **Friedrich-Schiller-University Jena**, Germany
Teaching assistant for theoretical mechanics

Honors & Awards

- December 2016 Best Poster Prize, 629. WE-Heraeus-Seminar: "Exoplanets: Bridging the Gap between Theory and Observations"
- since Oct. 2016 Marie S. Curie FRIAS COFUND Fellowship, "Variability and transiting extrasolar planets in young open clusters"
- 2013 – 2016 Research Fellowships in Space Science, "Analysis of Transit Timing for the CoRoT planets and ground-based high precision follow-up photometry"

Research stays and exchange programs:

June 2016	Astrophysical Institute and University Observatory Jena, Germany
July 2015	Hamburger Sternwarte, Hamburg, Germany
Mar. 2014	Astrophysical Institute and University Observatory Jena, Germany
July 2012	Instituto de Astrofísica de Andalucía (CSIC), Granada, Spain
Oct. 2011	Torun Centre for Astronomy of the Nicolaus Copernicus University, Poland
Sept. 2010	Torun Centre for Astronomy of the Nicolaus Copernicus University, Poland
July 2010	Centro de Investigaciones de Astronomía (CIDA), Merida, Venezuela
July 2009	Harvard Smithsonian Center for Astrophysics (CfA), Cambridge, MA, USA

Publications

6 first-author publications in peer-reviewed international journals, 28 peer-reviewed publications as co-author, additional 19 non-refereed publications. Total citations: 328 (as of Feb. 2017)
Full list of publications is attached

Conferences & Talks

37 participations in international scientific conferences/workshops, 13 contributed talks, 19 poster presentations. Additional 2 invited and 8 contributed talks at Universities and German amateur meetings.

Teaching Experience

Nov/Dec 2015	Supervisor of a projects for students from the Harvordm Lyceum West in Amsterdam
Summer 2014	Supervisor of the Leiden/ESA Astrophysics Program for Summer Students (LEAPS)
2010 – 2012	Three times Astronomical training for teacher training in Quedlinburg, Jena, and Sonneberg
2011/2012	Supervisor of a student project: "Using the transit method to confirm extrasolar planets"
SS 2010	Co-Supervisor of a student research project: "Observation of a transiting planet"
SS 2009,2011	Tutor for the basic laboratory course in physics
SS 2006	Teaching assistant for theoretical mechanics

Language Knowledge

German	native
English	fluent, 10 years experience with reading, writing, speaking (scientific) english

Additional basic knowledge of French, Spanish, and Dutch

Additional relevant information

- Observation experience: ~150 nights at the University Observatory Jena, 15 nights at the 2.2m telescope on Calar Alto, Spain, ~40 nights at ESA's Optical Ground Station, Observatorio del Teide, Tenerife, and one night at the National Observatory Venezuela. Many more nights at several smaller amateur telescopes.
- Between 2009–2013 person in charge for the data archive of the University Observatory Jena
- outreach activities: many guided tours in the University Observatory Jena and a number of public talks

Freiburg, February 17, 2017