

BASTIEN COURCOL

French citizen, born on August 15th, 1989

Email : bastien.courcol@csh.unibe.ch

Tel : +41 (0)7 64 19 48 92

Address : Gesellschaftsstrasse 6, Office 203, 3012 Bern, Switzerland

Website : bcourcol.github.io

WORK EXPERIENCE

Apr 2017 — Present Postdoctoral researcher in the SAINT-EX team at the Center for Space and Habitability, University of Bern

Oct 2013 — Oct 2016 PhD graduate student, Laboratoire d'Astrophysique de Marseille

EDUCATION

Oct 2016 PhD in Astronomy and Astrophysics with highest honours : « Detection and properties of Exo-Neptunes and Super-Earths : Synergies between CHEOPS and SOPHIE » under the supervision of Magali Deleuil and François Bouchy, Aix-Marseille University

Jul 2013 M.Sc. degree in Astrophysics with honours, Observatoire de Paris and Paris VI Pierre et Marie Curie University

RESEARCH INTERESTS

Detection and characterisation of Super-Earth and Neptune-like planets in radial velocity

Statistical properties of Super-Earth and Neptune-like planets

Systematics analysis and correction on the SOPHIE spectrograph

Selection of radial velocity planets targets for the CHEOPS satellite

Detection of small planets in transit with the SAINT-EX telescope

RESEARCH INVOLVEMENTS

May 2017 — Present NCCR PlanetS Associate

Apr 2017 — Present In charge of the PRINCE pipeline development for the SAINT-EX telescope (PI : B.O. Demory)

Oct 2013 — Present Member of the Extrasolar Planet Research consortium on the SOPHIE spectrograph and in charge of the analysis for the « High precision search for northern Neptunes and Super-Earths » program (PI : F. Bouchy)

Oct 2015 — Oct 2016 PI of a preliminary observation program for CHEOPS targets with SOPHIE to refine ephemeris of northern low mass exoplanets

- May 2014 — Oct 2016* Col of the Search for Neptunes around stars with debris disks program on SOPHIE (PI : E. Di Folco)
- Jan 2014 — Oct 2016* Member of the extended CHEOPS science team in the Target Selection working group (CHEOPS PI : W. Benz, D. Queloz, working group PI : C. Lovis)
- Oct 2013 — Oct 2016* Member of the TRANSIT follow-up consortium on the SOPHIE spectrograph (PI : G. Hébrard)

TEACHING AND OUTREACH

- Mar 2018 — Present* Member of the “Astronomy on Tap Bern” organising team
- Jan 2014 — May 2014* Teaching Assistant in thermodynamics for 3rd year B.Sc. physics students at Aix-Marseille University (20 hrs)
- Jan 2014 — May 2016* Teaching Assistant in Practical works for 1st year B.Sc. physics students at Aix-Marseille Université (45 hrs)
- Jan 2014 — Jan 2016* Teaching Assistant in Practical works in physics for 1st year B.Sc. biology students at Aix-Marseille Université (130 hrs)

MISCELLANEOUS

Languages spoken

French (mother tongue), English (fluent) and Spanish (intermediate)

Volunteering

- 2010 — 2013* Member of the French lifeguards association (Société Nationale de Sauvetage en Mer)
- 2009* Volunteering job as French and mathematics teacher for disadvantaged children at the New Creation school, Auroville, India

Other certificates

Driving license, professional first-aid certificates