

# Jean Teyssandier

Namur Institute for Complex Systems – University of Namur  
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## Biographical Information

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- Citizenship: French
- Date of Birth: 16 May 1988

## Positions

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**2019 - :** Research Fellow (chargé de recherche FNRS), naXys, University of Namur.  
**2017 - 2019:** Research Associate, Cornell University.  
**2014 - 2017:** STFC Postdoctoral Research Associate, DAMTP, University of Cambridge.

## Education

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**2011 - 2014:** Ph.D. in Astrophysics, Institut d'Astrophysique de Paris, Université Pierre & Marie Curie. Dissertation: *Evolution of eccentricity and orbital inclination caused by planet-disc interactions*. Advisor: Caroline Terquem.

**2012 - 2014:** Long-term visitor at the Department of Physics, University of Oxford.

**March - Sept. 2011:** Visiting pre-doctoral fellow, Northwestern University. Master's Dissertation: *Formation of hot Jupiters via secular perturbations*. Advisors: Frederic Rasio & Smadar Naoz.

**2009 - 2011:** Master's degree in Astronomy & Astrophysics, Observatoire de Paris, Université Paris-Sud XI.

**May - August 2010:** Undergraduate summer project, Northwestern University. Topic: *Secular planetary dynamics*. Advisors: Frederic Rasio & Smadar Naoz

**2008 - 2009:** Undergraduate studies at Université Paris-Sud XI (equivalent to a B.A. in physics & mathematics).

**2006 - 2008:** Preparatory classes (a two-year intensive course in advanced mathematics and physics), Lycée Paul Valéry, Paris.

## Teaching and Mentoring Experience

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**2020-2021:** Teaching of a Master's course on Celestial mechanics at UNamur, 24 hours/year.

**2020-2022:** Co-supervisor of a Master's thesis: *Stability of resonant planetary systems in binaries*, Nikita Doukhanin, U. Namur.

**2016-2017:** Supervision of an undergraduate Astrophysics project: *formation of hot Jupiters*

*via high-eccentricity migration*, Alexander Fritzsche, Part III astronomy student, Cambridge University.

**2015 - 2017:** Supervisions, Astrophysical Fluid Dynamics, Part II Physics, Cambridge University (12 hours/year).

**2011 - 2013:** Teaching assistant (72 hours/year) for undergraduate courses (*Introduction to dynamics* and *Mechanical and luminous waves*), Faculty of Physics, Université Pierre & Marie Curie.

## Grants & Awards

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**2019:** FNRS research fellowship.

**2014:** ISIMA fellowship, Canadian Institute for Theoretical Astrophysics.

## Skills

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- Programming skills: Python, C, Fortran, Matlab, Mathematica.
- Use of public software and codes: REBOUND(x), PLUTO, MERCURY.
- Languages: French (native), English (fluent).

## Services

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- Reviewer for the three main astrophysical journals: ApJ, MNRAS, A&A.
- Panel reviewer for NASA.
- Proposal reviewer for Dirac.
- Organization of the weekly Astrophysics Seminars, DAMTP, Cambridge.
- Member of the LOC for the Kavli Workshop: “The migration issue: from protoplanets to supermassive black holes”, Cambridge ( May 2017).
- Session organizer at the European Planetary Science Congress 2020: *Formation and evolution of extrasolar systems*.

## Outreach

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- The Royal Institution Mathematics Masterclass: Celestial Mechanics (year 8).
- Science open day, DAMTP, Cambridge.
- Maths en jeans, Department of Mathematics, U. Namur.

## Colloquia & Seminars

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- Astrophysics Colloquium, Leuven University, October 2018.
- Penn State CEHW Seminar, September 2018.
- Cornell Astrophysics Lunch Seminar, November 2018.

- Naxys Seminar, Namur University, March 2018.
- Exoplanets and Disks Meeting, University of Amsterdam, March 2018.
- Colloquium, Royal Edinburgh Observatory, March 2017.
- Astronomy and Dynamical Systems Seminar, IMCCE, Paris Observatory, May 2016.
- Astrophysics Seminar - Laboratory of Astrophysics of Bordeaux, May 2016.
- Exoplanet Seminar - Institute of Astronomy, University of Cambridge, June 2015.
- Astrophysics Seminar - DAMTP, University of Cambridge, October 2014.
- Exoplanet Seminar - Tel Aviv University, February 2014.
- Astrophysics Seminar - Technion (Israel Institute of Technology), February 2014.

## Conference Talks & Posters

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- Distorted Astrophysical Discs Conference, KICC Cambridge (2021) - Talk.
- Exoplanet III, Heidelberg (2020) - Online Poster
- Planetary Dynamics Conference, Heidelberg (2019) - Talk.
- UK Community Exoplanet Conference, London (2019) - Talk.
- Planets, Stars and Discs: A Golden Age for the Dynamics of Particles and Gas, Oxford - **Invited Talk.**
- UK Community Exoplanet Conference, Oxford (2018) - Talk.
- The Accreting Universe, TD Lee Institute, Shanghai Jiao Tong University (2017) - **Invited Talk.**
- UK Community Exoplanet Conference, Saint-Andrews (2017) - Poster.
- Exoplanets I, Davos (2016) - Poster.
- Astro Fluids conference, Paris (2016) - Talk.
- UK Community Exoplanet Conference, Exeter (2016) - Talk.
- Protoplanetary discussions, Edinburgh (2016) - Talk.
- UK Community Exoplanet Conference, Warwick (2015) - Poster.
- UK Community Exoplanet Conference, Cambridge (2014) - Poster.
- European Planetary Science Congress, London (2013) - Talk.
- Oxford Extrasolar Planet and Planetary Research Group Meetings, Oxford (2013) - Talk.
- Extreme Solar Systems II, Wyoming (2011) - Poster.