



Dr. Benoît Noyelles

Planetary Scientist

PROFESSIONAL APPOINTMENTS

- Since 2018 **Associate Professor**, *University of Franche-Comté*, Besançon, France.
2006 - 2018 **Research scientist**, *University of Namur*, Belgium.
2005 - 2006 **Lecturer (ATER)**, *University of Lille*, France.
2002 - 2005 **PhD candidate**, *Institute of Celestial Mechanics*, Paris Observatory, France.

FORMATION

- 2014 **Habilitation à Diriger des Recherches**, *Contribution to the study of the resonant rotation in the Solar System*, University of Lille, France.
2002 - 2005 **PhD candidate**, *Tidal effects on the dynamics of the natural satellites of Jupiter and Saturn*, Institute of Celestial Mechanics (IMCCE), Paris Observatory, France.
2001 - 2002 **Master Degree**, *Astronomy*, Paris Observatory, France.
2000 - 2001 **Master Degree**, *Electronics / Telecom*, University of Valenciennes, France.
1998 - 2001 **Master Degree**, *General Engineering*, Ecole Centrale de Lille, France.

RESEARCH VISITS

- Fall 2013 **University of California at Santa Cruz, USA**, Collaboration with F. Nimmo, (3 months).
May 2013 **UNESP, Rio Claro, Brazil**, Collaboration with T. Yokoyama, (2 weeks).
Fall 2012 **University of California at Santa Cruz, USA**, Collaboration with F. Nimmo, (3 months).
Winter 2009 **University of Roma 2 Tor Vergata, Italy**, Collaboration with A. Celletti, (1 month).
Spring 2006 **Jinan University, Guangzhou, PR China**, Collaboration with Q.Y. Peng, (3 months).

RESEARCH INTERESTS

Solar System dynamics, dynamical planetology, planetary geophysics, tidal effects, astrometry, rotation, chaos, comets, TNO

PUBLICATIONS

- 34 peer-reviewed publications**, ~50% of them as the first author.
56 communications in international conferences.
19 invited seminars.

UTINAM / Besançon Observatory – University of Franche-Comté (France)

☎ +33 3 81 66 69 15 • ✉ benoit.noyelles@univ-fcomte.fr

🌐 <http://perso.utinam.cnrs.fr/~bnoyelle/> • 41 years old – French citizen

TEACHING AND MENTORING

- 2019 - 2022 **Co-advisor of the PhD thesis of S. Anderson**, *Defense scheduled for 2022*, University of Franche-Comté, France.
- 2010 - 2014 **Co-advisor of the PhD thesis of E. Verheylewegen**, *Defended in April 2014*, University of Namur, Belgium.
- 2009 - 2013 **Co-advisor of two Master thesis**, (*duration: 18 months*), University of Namur, Belgium.
- Since 2008 **Teaching**, *Fluid mechanics, Celestial mechanics and Qualitative theory of dynamical systems*, University of Namur, Belgium.
- 2005 - 2006 **Lecturer**, *Teaching of Mathematics and Astronomy*, University of Namur, Belgium.
- 2003 - 2005 **PhD candidate**, *Teaching of Electrical Engineering and Mathematics*, Ecole Centrale de Lille and University of Lille, France.

SERVICES

- Since 2019 **Astronomy and Astrophysics**, *Associate Editor*.
- Memberships International Astronomical Union (Divisions A and F), American Astronomical Society (DDA and DPS), American Geophysical Union.
- Since 2018 **Steering Committee**, *Secretary*, Division A, International Astronomical Union.
- 2014 - 2017 **Nominating Committee of the DDA**, *Member, Chair in 2016-2017*, American Astronomical Society.
- July 2014 **IAU Symposium**, *LOC Member*, University of Namur, Belgium.
- Reviewing Science, Icarus, Planetary and Space Science, Celestial Mechanics and Dynamical Astronomy, Astronomy and Astrophysics, Journal of Geophysical Research: Planets, Earth Moon and Planets, Advances in Space Research, The Monthly Notices of the Royal Astronomical Society, Astronomy and Space Science, Computational and Applied Mathematics, Mathematical Geosciences.
- Grant Reviewing DFG (Germany) External reviewer, NASA Grant Panelist (PG&G, EW), NASA External Reviewer (PG&G, OPR, NPP).
- Blogging Author of the Planetary Mechanics Blog, <http://planetary-mechanics.com>.

LANGUAGES

- French **Native speaker**.
- English **Fluent**.
- German **Proficient**.
- Italian **Intermediate**.
- Spanish **Intermediate**.

REFERENCES

Prof. A. Lemaître
University of Namur
Belgium

Prof. C.D. Murray
QM University of London
United Kingdom

Dr. M. Efroimsky
US Naval Observatory
USA