

Dr. Péter I. PÁPICS

CONTACT INFORMATION

Mail: Instituut voor Sterrenkunde
Celestijnenlaan 200D BUS 2401
B-3001 Heverlee
BELGIUM
Phone (work): 0032 16 32 79 31
Mobile: 0032 471 190 453
E-mail: Peter.Papics@ster.kuleuven.be
papics@gmail.com
Web: <http://papics.eu/>

PERSONAL INFORMATION

Nationality: Belgian - Hungarian
Date of birth: 01/02/1985
Gender: Male
Marital status: Cohabiting

EDUCATION

KU Leuven, Belgium

PhD in Astronomy and Astrophysics **2009 – 2013**
– PhD Thesis (public defence on 31 May 2013): Observational asteroseismology of B-type stars on the main sequence with the CoRoT and *Kepler* satellites (ISBN 978-90-8649-619-8)
– Supervisors: [Professor Dr. Conny Aerts](#) and [Dr. Maryline Briquet](#)

Eötvös Loránd University, Budapest, Hungary

Master degree in Astronomy **2003 – 2009**
– Grade of diploma: MSc with Distinction (24 June 2009)
– Thesis Topic: GD 244 – Asteroseismological study of a DA White Dwarf
– Supervisor: [Professor Dr. Margit Páparó](#)

KU Leuven, Belgium

ERASMUS semester **2007 – 2008**
– Master in Astronomy and Astrophysics program
– Contact Person: [Professor Dr. Conny Aerts](#)

WORK EXPERIENCE

KU Leuven, Belgium **Institute of Astronomy**

Voluntary Research Fellow **From October 2017**

*Postdoctoral Fellow of
The Research Foundation - Flanders (FWO)* **October 2014 – September 2017**

Postdoctoral Fellow (BOF/PDMK) **January 2014 – September 2014**

Postdoctoral Researcher **September 2013 – December 2013**

*PhD student (ERC **PROSPERITY** Project)* **September 2009 – August 2013**

– Research topic
Probing stellar physics and testing stellar evolution through asteroseismology. Working towards understanding the mixing processes such as core overshooting, diffusion, and rotation inside hot, massive stars on the Main Sequence (using high-resolution spectroscopy and space-based photometry), with the ultimate goal of calibrating their stellar structure and evolution models.

Konkoly Observatory of the Hungarian Academy of Sciences, Hungary

Undergraduate researcher

February 2008 – August 2008

– CoRoT Research Team Fellow

Reduction, evaluation and analysis of data from the CoRoT space telescope and the 1 meter RCC telescope at Piszkestető, the Mountain Station of the Konkoly Observatory of the Hungarian Academy of Sciences.

PUBLICATION RECORD

Hirsch index: 18 (total number of citations: 1121) – as of 29 November 2017

- 7 refereed publications as 1st author (159 citations)
- 40 refereed publications as co-author
- 3 publications in proceedings
- 8 talks given on international conferences (2 as invited speaker)
- 3 posters presented on international conferences

AWARDS AND GRANTS

[The Research Foundation - Flanders \(FWO\)](#)

- Postdoctoral Fellowship (180.000 € bruto), 2014
- Grant for participation at a congress abroad (1400 €), 2013

[Eötvös Loránd University](#)

- Outstanding Student of the Faculty of Sciences, 2008
- First prize at the [XXVIII. National Scientific Conference for Students, Astrophysics Section, Szeged, 2007](#)
- Second prize at the Scientific Conference for Students at the Department of Astronomy, 2006
- Fellowship of The Republic of Hungary (1200 €, awarded by the [Ministry of Education and Culture](#) for two semesters), 2006–2007

TELESCOPE TIME

As Principal Investigator after peer-reviewed competition

- 22 nights at the Mercator Telescope on La Palma, Spain
- 64 nights at the RCC telescope (as observer) on Piszkestető, Hungary
- 3 granted nights with the MAESTRO spectrograph on the MMT in Arizona, USA
- 2 approved and executed Kepler Guest Observer Proposals, resulting in 2 years of proprietary data of selected targets from the *Kepler* space telescope)

As Co-Investigator or service mode observer

- 117 nights at the Mercator Telescope on La Palma, Spain
- 15 nights at the AC-80 Telescope on Tenerife, Spain
- 14 nights at the Leonhard Euler Telescope at La Silla, Chile

OTHER PUBLICATIONS & TALKS & OUTREACH

Books:

- Pápics, P. I.; Iskum, J.: ["The Sun"](#) in: Handbook of Amateur Astronomers (editor: A. Mizser), third revised and extended edition, Hungarian Astronomical Association, Budapest, 185–218 (2006), ISBN 963-06-0197-4

Popular Science Talks, Seminars, and Articles:

- "Observational asteroseismology of B-type stars on the main sequence with the CoRoT and Kepler satellites" at the weekly Thursday Seminar of the Observatory of Geneva, Switzerland (4 February 2014)
- "NASA SDO: Exploring the Sun in High Definition" at the weekly Ad Valvas seminar of the Institute of Astronomy, KU Leuven (19 March 2010)
- "End of the Current Solar Cycle?" at Polaris Observatory, György Kulin evening classes, Budapest, Hungary (29 April 2008)
- "Annular Solar Eclipse Expedition" at Polaris Observatory, Weekly Tuesday Seminars, Budapest, Hungary (13 December 2005)

- "Observing the Sun" at Polaris Observatory, Weekly Tuesday Seminars, Budapest, Hungary (22 November 2005)
- "Solar Telescopes" at Polaris Observatory, Weekly Tuesday Seminars, Budapest, Hungary (22 March 2005)
- "Ancient Astronomy" at Polaris Observatory, Budapest, Hungary (18 November 2004)
- "Astronomy in the Ancient Ages" at the Youth Astronomy Camp of the HAA, Agasvar, Hungary (17 July 2004)
- 38 articles in Meteor (monthly journal published by the Hungarian Astronomical Association, 2004-2009)

Outreach Highlights:

- [Life at the Mercator telescope on La Palma](#), a reportage on the daily life of an astronomer working at the Mercator telescope, published on the official blog of the KU Leuven (27 October 2015)
- [Mercator - close to the heavens](#), a time-lapse video showing the surroundings of the Mercator telescope during the day and night, 25.000+ views on YouTube (October 2012)
- [Mercator 3D](#), a photorealistic, highly-detailed virtual model of the building of the Mercator telescope for Google Earth (March 2012)

LANGUAGES

Mother tongue: Hungarian
Other language(s): English (fluent, [C1](#))
 Dutch (intermediate, [B1](#))
 French (very basic, [A1](#))