

Curriculum vitae

Martin Farnir - *Université de Liège*

1 IDENTIFICATION

Name: Farnir

First name: Martin

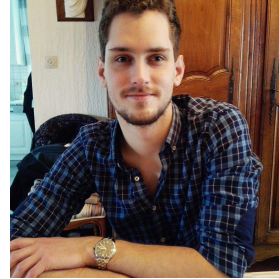
Date of birth: 21st of October 1993

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2 EDUCATION

2012 – 2015: Physics Bachelor at the Université de Liège,

2015 – 2017: Space Sciences Master at the Université de Liège,

2017 – 2021: PhD at the Université de Liège. Defense for the 31st of August 2021.

3 POSITIONS

2017 – 2021: PhD at the Université de Liège on the topic of asteroseismology and acoustic glitches in solar-like stars, subgiants and red giants.

4 FELLOWSHIPS - FUNDING

2017: FRIA (Fonds pour la Recherche en Industrie et Agronomie) – FNRS PhD grant.

5 TEACHING

2020 – 2021: Involved in the supervision of a master thesis project on the topic of acoustic glitches.

6 EXTRA ACADEMIC PROFESSIONAL ACTIVITIES

2020: Participation in the Young Minds of Belgium vulgarisation project.

7 PROGRAMMING EXPERIENCE

Fortran: Advanced knowledge,

L^AT_EX: Advanced knowledge,

Shell: Intermediate to advanced,

Python: Intermediate to advanced,

Mathematica: Intermediate to advanced,

C++: Intermediate,

Julia: Intermediate (for the necessity of a course during my master),

GDScript: Beginner, as a hobby.

8 MAJOR COLLABORATIONS

2019: Collaboration with Daniel Reese (Observatoire de Paris Meudon) on the inclusion of my method of seismic probing (WhoSGLAd) into his best stellar model searching algorithm (AIMS).

2019: Collaboration with Gaël Buldgen (Université de Genève) in the modelling of the Kepler target KIC444.

2019 – 2020: Participation in the PLATO hares and hounds exercise (coordinated by S. Deheuvels) to assess the ability to exploit the information contained in acoustic glitches.

9 COMMUNICATIONS

2018: Poster presentation at the *PHOST* (Physics of oscillating stars) conference held in Banyuls, France. (<https://phost.sciencesconf.org/>)

2019: Oral presentation at the *Stars and their variability observed from space* conference held in Vienna, Austria. (<https://starsandspace.univie.ac.at/home/>)

10 LIST OF PUBLICATIONS

Peer-reviewed articles

As first author

- [Farnir et al. \(2020a\)](#),
- [Farnir et al. \(2019b\)](#).

As co-author

- [Rosu et al. \(2020\)](#),
- [Buldgen et al. \(2019\)](#).

Conference proceedings

As first author

- [Farnir et al. \(2020b\)](#),
- [Farnir et al. \(2019a\)](#).

As co-author

- [Buldgen et al. \(2020\)](#).

REFERENCES

Buldgen, G., Farnir, M., Pezzotti, C., et al. 2019, *A&A*, 630, A126
Buldgen, G., Pezzotti, C., Farnir, M., Salmon, S. J. A. J., & Eggenberger, P. 2020, in *Stars and their Variability Observed from Space*, ed. C. Neiner, W. W. Weiss, D. Baade, R. E. Griffin, C. C. Lovekin, & A. F. J. Moffat, 249–253
Farnir, M., Dupret, M. A., Buldgen, G., et al. 2020a, arXiv e-prints, arXiv:2010.06495

Farnir, M., Dupret, M.-A., Salmon, S. J. A. J., Noels, A., & Buldgen, G. 2019a, arXiv e-prints, arXiv:1910.04564
Farnir, M., Dupret, M. A., Salmon, S. J. A. J., Noels, A., & Buldgen, G. 2019b, *Astronomy and Astrophysics*, 622, A98
Farnir, M., Dupret, M. A., Salmon, S. J. A. J., Noels, A., & Buldgen, G. 2020b, in *Stars and their Variability Observed from Space*, ed. C. Neiner, W. W. Weiss, D. Baade, R. E. Griffin, C. C. Lovekin, & A. F. J. Moffat, 281–286
Rosu, S., Noels, A., Dupret, M. A., et al. 2020, arXiv e-prints, arXiv:2009.08658