

# Filipe Pereira

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<b>EDUCATION</b>	<b>PhD in Astronomy</b> , Faculty of Sciences, University of Porto ▪ Advisors: Tiago Compante, Margarida Cunha, Nuno Santos ▪ Thesis: Detection and characterization of planets orbiting oscillating red-giant stars with NASA's TESS mission <b>MSc in Astronomy</b> , Faculty of Sciences, University of Porto ▪ Advisor: Mário João Monteiro ▪ Thesis: Development of automatic tools for measuring acoustic glitches in seismic data of solar-type stars <b>BSc in Astronomy</b> , Faculty of Sciences, University of Porto	Oct 2016 – Ongoing Oct 2014 – Sep 2016 Sep 2011 – Sep 2014
<b>PUBLICATIONS</b>	<b>JOURNALS</b> <ol style="list-style-type: none"><li>Victor Silva Aguirre et al. including <b>Filipe Pereira</b>. <i>Detection and Characterization of Oscillating Red Giants: First Results from the TESS Satellite</i>. 2020, ApJL, 889, L34.</li><li>Susana C.C. Barros et al. including <b>Filipe Pereira</b>. <i>Improving transit characterisation with Gaussian process modelling of stellar variability</i>. 2020, A&amp;A, 634, A75.</li><li><b>Filipe Pereira</b> et al. <i>Gaussian process modelling of granulation and oscillations in red giant stars</i>. 2019, MNRAS, 489, 5764.</li><li>Tiago Campante et al. including <b>Filipe Pereira</b>. <i>TESS Asteroseismology of the Known Red-giant Host Stars HD 212771 and HD 203949</i>. 2019, ApJ, 885, 31.</li><li>Daniel Huber et al. including <b>Filipe Pereira</b>. <i>A Hot Saturn Orbiting an Oscillating Late Subgiant Discovered by TESS</i>. 2019, AJ, 157, 245.</li></ol> <b>PROCEEDINGS</b> <ol style="list-style-type: none"><li><b>Filipe Pereira</b>, João P.S. Faria and Mário J.P.F.G. Monteiro. <i>SIGS - Seismic Inferences for Glitches in Stars</i>. 2017, EPJWC, 160, 01015.</li></ol>	
<b>TALKS/POSTERS</b>	<b>TALKS</b> <ol style="list-style-type: none"><li><i>Using Gaussian Processes to model stellar granulation and oscillations in red-giant stars</i>. TASC4/KASC11 Workshop. July 2018, Aarhus, Denmark</li><li><i>Using Gaussian Processes to model stellar granulation and oscillations in red-giant stars</i>. RAS Specialist Discussion Meeting. March 2018, London, UK</li></ol> <b>POSTERS</b> <ol style="list-style-type: none"><li><i>Gaussian process modelling of TESS light curves in the presence of stellar variability and transits</i>. TASC5/KASC12 Workshop. July 2019, Boston, USA</li><li><i>Testing gaussian process regression for red-giant granulation modelling</i>. TASC3/KASC10 Workshop. July 2017, Birmingham, UK</li><li><i>SIGS - Seismic Inferences for Glitches in Stars</i>. TASC2/KASC9 Workshop. July 2016, Azores, Portugal</li></ol>	
<b>GRANTS</b>	▪ PhD Grant - FCT ( 60000 EUR) ▪ Research Grant - FCT ( 12000 EUR) ▪ MSc Grant - SPACEINN ( 7000 EUR)	Oct 2017 – Ongoing Jan 2017 – Dec 2017 Sep 2015 – Jun 2016

<b>TEACHING</b>	<ul style="list-style-type: none"> <li>▪ Escola de Verão de Física 2019. Faculty of Sciences, University of Porto <span style="float: right;">Sep 2019</span> <ul style="list-style-type: none"> <li>• Supervised and lectured a project about "The energy of stars" for a class of 5 high-school students</li> </ul> </li> <li>▪ Escola de Verão de Física 2018. Faculty of Sciences, University of Porto <span style="float: right;">Sep 2018</span> <ul style="list-style-type: none"> <li>• Supervised and lectured a project about "The energy of stars" for a class of 5 high-school students</li> </ul> </li> <li>▪ Escola de Verão de Física 2017. Faculty of Sciences, University of Porto <span style="float: right;">Sep 2017</span> <ul style="list-style-type: none"> <li>• Supervised and lectured a project about "The energy of stars" for a class of 5 high-school students</li> </ul> </li> </ul>
<b>SCIENTIFIC PARTICIPATION</b>	<p><b>CONFERENCES</b></p> <ul style="list-style-type: none"> <li>▪ TASC5/KASC12 Workshop. Boston, USA <span style="float: right;">Jul 2019</span></li> <li>▪ TASC4/KASC11 Workshop. Aarhus, Denmark <span style="float: right;">Jul 2018</span></li> <li>▪ TASC3/KASC10 Workshop. Birmingham, UK <span style="float: right;">Jul 2017</span></li> <li>▪ TASC2/KASC9 Workshop. Azores, Portugal <span style="float: right;">Jul 2016</span></li> </ul> <p><b>WORKSHOPS</b></p> <ul style="list-style-type: none"> <li>▪ T'DA8: 8th TESS Data for Asteroseismology workshop. Aarhus, Denmark <span style="float: right;">Jan 2019</span></li> <li>▪ T'DA6: 6th TESS Data for Asteroseismology workshop. Leuven, Belgium <span style="float: right;">Nov 2018</span></li> <li>▪ T'DA4: 4th TESS Data for Asteroseismology workshop. Aarhus, Denmark <span style="float: right;">Jul 2018</span></li> <li>▪ T'DA3: 3rd TESS Data for Asteroseismology workshop. Leuven, Belgium <span style="float: right;">Dec 2017</span></li> <li>▪ T'DA2: 2nd TESS Data for Asteroseismology workshop. Aarhus, Denmark <span style="float: right;">Apr 2017</span></li> <li>▪ T'DA1: 1st TESS Data for Asteroseismology workshop. Birmingham, England <span style="float: right;">Oct 2016</span></li> <li>▪ IVth Azores International Advanced School in Space Sciences. Azores, Portugal <span style="float: right;">Jul 2016</span></li> </ul>