CV

Contact Information

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Nationality & Date of Birth

Danish, 28.08.1975

Education and Work

01.01.2025-15.06.2028	**Associate Professor, Aarhus University**
01.03.2024-31.12.2028	**Associate Professor, Aarhus University (80%)** & **Postdoctoral Research Fellow, University of Bologna**
01.12.2022-01.03.2024	**Postdoctoral Research Fellow, University of Bologna**
01.08.2020-15.11.2022	**Assistant Professor, Aarhus University**
01.09.2018-31.07.2020	**Part time lecturer, Aarhus University (1/5 time) and Lecturer, Aalborg Tekniske Gymnasium (4/5 time)**
01.08.2018-31.08.2018	**Postdoctoral researcher, Aarhus University (1/5 time) and Lecturer, Aalborg Tekniske Gymnasium (4/5 time)**
01.10.2017-31.07.2018	**Postdoctoral researcher, Aarhus University (1/5 time) and Lecturer, Aalborghus Gymnasium (4/5 time)**
01.07.2017-31.08.2017	**Lecturer, VUC Aarhus**
13.03.2017-12.06.2017	**Stellar Research Fellow, University of Birmingham, UK**
01.03.2013-20.01.2017	**Postdoctoral researcher, Aarhus University**
01.03.2011-28.02.2013	**Postdoctoral Fellow, University of Victoria, Canada**
27.09.2010-28.02.2011	**Postdoc, Aarhus University**
26. September 2010	**PhD, Aarhus University**
July 2008	**Master of Science, Aarhus University**
01.11.2007-31.10.2008	**1 year PhD studentship at the European Southern Observatory (ESO), Garching**
August 2005	**Bachelor of Science, Aarhus University**
1994-2002	**IT consultant** at Lorentz Nielsen Data, Hadsund, Denmark (installing, programming, teaching the use of business software)
1994	**HHX**, Viborg Business School

Grants

2021, kr. 123.928, EDU IT puljemidler til Nat., Institut for Fysik og Astronomi.
Project title: *Tættere på virkeligheden og forskningen* (English: Closer to reality and research).
2018, kr. 29.589, ST Dekanatets pulje til udbredelse af digitale kompetencer
For implementation of Virtual Reality in astronomy education at Aarhus University
2013, kr. 1.086.801, VILLUM FONDEN (individual postdoc grant)
Project title: How old are stars and their planetary systems, really?
2011, kr. 350.000, The Carlsberg Foundation (postdoc grant)
Project title: Detached eclipsing binary age test synergies

Co-PI (shared with Eric Sandquist, San Diego State University) **on three NASA *Kepler* Guest Observer programs that also received working grants (GO20044: $74.457,- ; GO30037: $74.185,- ; and GO40036: $77.609,-)**.

Special Responsibilities

STEP (Stars and ExoPlanets) mission (see project description):
I am chair of the working group for education and outreach and member of all other STEP working groups.

Haydn (proposed ESA space mission which we carried through the first phases and will be re-proposed at the next opportunity):
I am Co-chair of the working group on eclipsing binary stars.

FUT ("det Fjernstyrede UndervisningsTeleskop", remote-controlled telescope in Australia used for teaching, outreach and science in Denmark):
I am project leader but not grant holder.

Delphini-1 (the first satellite of Aarhus University):
I **w**as responsible for study projects carried out with the satellite data.

„Stellar and exoplanet investigations in the context of the TESS and JWST space missions" (EU structural funds Project at Vilnius University):
I was a paid collaborator on the project where I, among other things, led the work and publication of "Properties of the Hyades, the eclipsing binary HD 27130, and the oscillating red giant ε Tauri"

KASC:
I am a member of the *Kepler* Asteroseismic Science Consortium (http://astro.phys.au.dk/KASC/) in the working group on oscillations in clusters.

Research Experience & International Relations

I am a thorough researcher with a strong reputation among my peers, as evidenced e.g. by the very positive assessment by external evaluators in connection with my application for a position as assistant professor at the Stellar Astrophysics Centre at Aarhus University in 2018, the summary of which is reproduced here: "Summary:

Dr. Brogaard is one of the leading experts combining asteroseismic, spectroscopic, binary, and stellar evolution studies to obtain high precisions determinations of basic stellar properties of benchmark stars. His research project follows this path and will go on impacting stellar structure and evolution understanding, galactic archeology, and exoplanet research. Noteworthy, he is an expert in getting masses of EB components in clusters, presently using VLT ground based devices (UVES, FLAME, CRIRES). He is also an experienced observer at the Nordic Optical Telescope. He is familiar with data acquisition and/or analysis of interest for TESS and SONG. He already has a number of fruitful collaborations with the SAC group on different topics. He has a solid teaching experience. The committee finds Dr. Brogaard highly qualified for the job, in every aspect."

Important Recent Invited Talks

28.03.2023: Invited talk "Open clusters in the Kepler FOV and why we need Haydn." at INAF Bologna
14.03.2024: Invited online talk on the use of eclipsing binary measurements in star clusters at the Vera C. Rubin Observatory/Large Synoptic Survey Telescope (LSST) star clusters WG meeting.
30.05.2024: Invited talk "Precision and accuracy of stellar age estimates" at the "Milky Way assembly Tale" conference in Bologna