

Curriculum Vitae for Mads Fredslund Andersen

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Personal data:

Name: Mads Fredslund Andersen
Address: Enebærvej 16
8240 Risskov, Denmark
Mobile phone: +45 21527146
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Born: 23. marts 1984, Skanderborg, Denmark



Education:

08/2007 - 10/2009 Cand. Scient. in Astronomy, Aarhus University
Master Thesis Title: Characterization of the variable stars
in two middle aged open clusters.

08/2004 - 04/2008 B.Sc. Physics, Aarhus University
Bachelor Thesis Title: Direct detection of dark matter.

Work / experience:

2021 - now Manager of research infrastructures in relation to space and
astronomy, Aarhus University:

Project manager - The DISCO-2 satellite mission

- Project management and mission lead

Project manager - The remote controlled educational telescope

- Leading the project and managing the development of the control system.

Project manager - Stellar Observations Network Group, SONG

- Leading and managing the operations.
- Lead software developer.
- Public Outreach.
- Research

2020 - 2021 Project manager - The Delphini-1 satellite mission

- Leading the operations of the Delphini-1 mission.

2012 - 2018 Support Astronomer - Stellar Observations Network Group

- Leading the daily operation of the site in Tenerife.
- Software development for automation of observations.

- Summer 2014 Software and system developer at Worksystems ApS.
- Software and database development.
 - Design and development of app interface for Ipad and Tablet.
 - Design and development of web interface.
- 2010 - 2012 Writer for Clio Online
- Educational articles on the topics: Exoplanets, How to find exoplanets, The Moon, The Solar system, Dwarf planets and comets, The Sun and the stars, Practical astronomy, Nuclear meltdown, Solar cells, Solar panels, Wind mills, Earth and Air Heating, Wave energy, Heat pumps, Geothermal energy and Hydro power.
- 2010 - 2012 Scientific assistant at Aarhus University.
- Developing software for remote control of hardware components for the SONG project.
 - Test and specification of hardware components.
 - Development of web pages.
- 2008 - 2009 Public lectures at the Ole Rømer Observatoriet.
- Communicate Physics and Astronomy to big audiences.
 - To show and demonstrate the telescope at the observatory.

Volunteering experience:

- 2022 - now Board member of Astronomisk Selskab
- 2019 - 2021 Board member of Instrument Center for Danish Astrophysics
- 2010 - 2012 Coach of De Grønne Slagtere IF - male football team
- 2006 Co-founder of the football club: De Grønne Slagtere IF
- 2001 Archaeological excavator in Nemi, Italy

Prices and acknowledgements:

- 2017 IFA-IDEAS: Creating a recording studio locally at IFA for public outreach videos - YouTube channel: Astronomy - Aarhus University.
- 2015 IFA-IDEAS: Additional use of the SONG telescope with a piggy bag telescope.

Outreach activities:

- 2009 - now Public talks on subjects in relation to space and astronomy.
YouTube channel: Astronomy - Aarhus University.
Public media: Radio, TV, public articles.