



Jonas Haase

BORN

12.3.1975, Sønderborg, Denmark

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Profile

With more than 14 years of experience managing all aspects of a major astronomical archive, I am well versed in all of data management and curation of scientific data, database administration, system management and software development, testing and maintenance.

ASTRONOMICAL DATA ARCHIVE AND PIPELINE SOFTWARE SPECIALIST, ESO/ST-ECF, GARCHING, GERMANY JUNE 2002 - DEC 2015

Responsible for management, ongoing development and daily operation of the European Hubble Space Telescope Archive.

VOLUNTEER WORK, UNIVERSITY OF ÅRHUS, DENMARK

Tutor - Guide for new students, 1996-1998

Teaching assistant at the national danish science fair in 2000

CIVILIAN SERVICE, FLENSBURG, GERMANY 1994-1995

Driver for handicapped persons at the Johanniter Unfall Hilfe.

Education

PHYSICS AND ASTRONOMY STUDIES, UNIVERSITY OF ÅRHUS, DENMARK. 1995-2001

Master's Degree in Astronomy: "Ca & Ba Abundances in Metal-poor High-velocity Stars"

Minor in Computer Science

STUDENT AT DUBORG SKOLEN, DANISH GYMNASIUM IN FLENSBURG, GERMANY. 1991-1994

Skills

- Specialist for data curation, management, ingestion.
- Superuser on Linux, Unix, OS X, Solaris, Windows.
- Database administration, design, development (Sybase, Postgres)
- Python expert, Perl, Shell scripting (tcsh, bash).
- Familiar with low level languages (C, C++, Java, FORTRAN)
- Object Oriented design and development
- Software testing (white/black-box, regression, unit-tests)
- Scientific software (IRAF/Pyraf, Matplotlib, TOPCAT, IDL).
- CVS, CPAN, EasyInstall, Eclipse, make, Robodoc, SCCS, SVN
- Grid computing (Sun Grid Engine, Condor, OPUS)
- CGI, HTML, Javascript, TWiki, Plone, Tomcat, WDB
- XML, JSON
- Astronomical Virtual Observatory standards and services
- Fluent in Danish, German and English

Courses

- First Aid refresher, July 2015
- Sybase: System and Database Administration - Adaptive Server Enterprise 15, May 2011
- Sybase: Adaptive Server Enterprise 15, December 2007
- Sybase: Advanced T-SQL, Tips and Techniques 12.5, May 2004
- Learning Tree: XML: A Comprehensive Hands-On Introduction, September 2002
- Sybase: Physical Database Design, June 2002
- Sybase: Logical Database Design, June 2002
- Sybase: Introduction to SQL - Adaptive Server Enterprise 12.0, June 2002

Referrals

Christophe Arviset. Head of the Data & Engineering Division, European Space Astronomy Centre (ESAC), European Space Agency (ESA). christophe.Arviset@esa.int +34 91 813 12 78

Daniel Durand, Hubble Space Telescope archive head at the Canadian Astrophysics Data Centre, Victoria, Canada Daniel.Durand@nrc.ca +1 250 363 0052

Publications

- Long-term Preservation of the European Hubble Space Telescope Archive, ADASS XXIII, ASP Conference Series Vol.485, 2014, p. 163
- The HST Cache - First Year of Operations, 2010, ADASS XIX, ASP Conference Series Vol. 434, p.275
- The HST Cache - A Technical Overview, 2009, ADASS XVIII, ASP Conference Series Vol. 411, p.243
- News From the Hubble Archive, 2009, ST-ECF newsletter, Volume 46, p.9
- AstroAsciiData: Table Handling in Python, 2007, ADASS XVI, ASP Conference Series, Vol. 376, p.547
- The GOODS/FORS2 Spectroscopy Archive at ESO, 2006, ADASS XV, ASP Conference Series, Vol. 351, p.707
- Towards the Optimal Association of Hubble ACS Images, 2005, ADASS XIV, ASP Conference Series Vol. 347, p.459