

Curriculum Vitae of Steffen Mieske



Personal dates:

Nationality: German
 Date of Birth: 12 January 1976
 Place of birth: Neuwied, Germany
 Civil status: Married to Katherine Rosa Landeros Perez
 Two children: Max (*2003) and Johannes (*2005)

School education:

1982 – 1986 Primary School Friedrich-Ebert-Grundschule Oberbieber
 1986 – 1995 Secondary School, Rhein-Wied-Gymnasium Neuwied
 June 1995 Abitur (High school examination)

Civil service:

Sept. 1995 – Sept. 1996 Landesgehörlosenschule Neuwied

Studies:

Oct. 1996 – August 2001 Study of Physics at Bonn University
 Sept. 2000 – Aug. 2001 Master thesis in physics, thesis title:
Towards the understanding of ultra compact objects in Fornax
 10 month stay at the astronomical institute of the
 Pontificia Universidad Católica de Chile (PUC)
August 2001 Master degree in Physics at Bonn University
 Mark “with distinction”

March 2002 – May 2005 PhD student in Astronomy at Sternwarte Bonn
 Thesis title: *Surface brightness fluctuation measurements*
of dwarf elliptical galaxies in nearby galaxy clusters
 Supervisors: Prof. Dr. L. Infante, Dr. M. Hilker,
 Prof. Dr. K. S. de Boer
 March 2002 – Jan. 2004 Stay at the astronomical institute of the PUC
 Jan. 2004 – April 2005 Research assistant at Sternwarte Bonn
May 2005 PhD degree in Astronomy at Bonn University
 Mark “magna cum laude”

Professional career:

Since August 2005 ESO fellow in Garching
 Functional work at ESO:
 - Supporting VIMOS, WFI, and FEROS service mode runs
 - Taking minutes at meetings of
 the Scientific Technical Committee
 - Organising the Wine & Cheese seminars

Since August 2008 ESO staff in Vitacura

Refereeing, tutoring

- Referee of astronomical articles for A&A, AJ, ApJ and MNRAS
- Member of scientific advisory board for Symposium “Star clusters – witnesses of cosmic history” at JENAM 2008, Vienna
- Since December 2008 – Co-supervision of PhD thesis by Matthias Frank (Heidelberg, Garching)
- Since November 2007 – Co-supervision of PhD thesis by Ingo Misgeld (Bonn, Garching)
- October 2006 to October 2007 – Co-supervision of master thesis by Ingo Misgeld (Bonn)
- August 2006 – Tutor of 2nd NEON archive summer school (ESO Garching)

Awards:

- Diploma thesis grant from Heinrich Hertz Foundation for stay in Chile (09/2000 to 06/2001)
- PhD grant from German Academic Exchange Service (DAAD) (03/2002 to 11/2003)
- PhD grant from German Science Foundation (DFG) (12/2003 to 04/2005)
- ESO fellowship since 08/2005

Selected conference attendances since 2005:

- 01/2005 Talk at First Symposium on Magellan Science, Carnegie Observatories, Pasadena
- 03/2005 Talk at IAU colloquium “Near-field cosmology with dEs”, Les Diablerets
- 05/2005 Talk at meeting of the Bonn/Bochum graduate school for Astronomy, Bad Honnef
- 09/2005 Talk at annual meeting of Astronomische Gesellschaft, Cologne
- 12/2005 Talk at ESO workshop “Groups of Galaxies”, Santiago de Chile
- 12/2005 Poster contribution to Latin American Regional IAU meeting LARIM 2005, Pucon, Chile
- 03/2006 Talk at FONDAP/ESO conference “Globular clusters, guides to galaxies”, Concepción, Chile
- 08/2006 Poster contribution to IAU General Assembly, Prague
- 12/2006 Talk at E-ELT conference, Marseilles
- 01/2007 Poster contribution to ESO instrument calibration workshop 2007, Garching
- 06/2007 Talk at IAU symposium 244 “Dark galaxies and lost baryons”, Cardiff
- 09/2007 Poster contribution to IAU symposium 246 “Dynamics of dense stellar systems”, Capri
- 10/2007 Talk at ESO workshop “Science with the VLT in the ELT era”, Garching
- 12/2007 Invited talk at MODEST8 meeting, Bonn
- 02/2008 Talk at Nuclear Star Clusters conference, MPIA Heidelberg
- 09/2008 Talk at JENAM 2008, Vienna
- 11/2008 Invited talk at Universidad Andres Bello, Santiago
- 05/2009 Invited talk at TDG09 conference, Bonn

Public outreach

- July 2005 – Public talk to college students in Neuwied, Germany
- October 2005 and 2006 – Guide at ESO Open House day
- January 2007 – Public talk at ESO in the course of the lecture series “Astronomy for non-astronomers”
- June 2008 – Public talk to high school students at ESO

Observing experience:

- Optical mosaic imaging with IMACS@Magellan and WFI@La Silla
- Long-slit spectroscopy with FORS1@VLT
- High-resolution fibre spectroscopy with FEROS@La Silla
- Multi-object spectroscopy with WFCCD@duPont and IMACS@Magellan
- Service mode multi-object spectroscopy with FORS2/MXU, VIMOS, FLAMES/MEDUSA
- Service mode IFU spectroscopy with FLAMES/ARGUS.
- Supervisor of observational practical studies at Hoher List Observatory, Bonn

Data reduction experience:

- Ground based optical and infrared photometry, both single chip and mosaic (IMACS@Magellan, WFCCD@duPont, Megacam@CFHT, ISAAC, VIMOS, FORSes @ VLT)
- Long-slit, multi-object and IFU spectroscopy, both high and low resolution (IMACS@Magellan, WFCCD@duPont, VIMOS, FORSes, FLAMES @ VLT)
- HST-ACS photometry, including archival data
- Main data analysis packages used: IRAF/CL/Pyraf, SExtractor
- Programming skills: C++, Fortran, Super Mongo, CL