

Curriculum Vitae of Steffen Mieske



Personal dates:

Nationality: German
Date of Birth: 12 January 1976
Place of birth: Neuwied, Germany
Civil status: Married, three children

University education:

October 1996 – August 2001 Study of Physics at Bonn University
September 2000 – August 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 – January 2004 Stay at the astronomical institute of the PUC (with DAAD grant)
January 2004 – April 2005 Research assistant at Sternwarte Bonn

May 2005 PhD degree in Astronomy at Bonn University
Mark “magna cum laude”

Professional career:

August 2005 - July 2008 ESO fellow in Garching
- USD support for VIMOS, WFI, and FEROS
- Taking minutes at STC meetings
- Organiser of the Wine & Cheese seminars

Since August 2008 ESO staff in Vitacura
- Coordinator of the Star Cluster Research Group (2009-)
- Member of Fellow- and Studentship Selection Committee (2009-)
- Member of Workshop Selection Committee (2012)

- Coordinator of the General Operations Group (2009-)
- 2nd Instrument Scientist of VIMOS, VIRCAM (2009-)
- Instrument Scientist of OmegaCAM (2011-)
- Member of International Staff Committee Chile (2013-)

Scientific work
- 40 refereed articles (22 as 1st author); h-index = 20
- Referee for A&A, MNRAS, ApJ, AJ
- Supervised three ESO PhD students
- Chief organiser, 2011 ESO 'Dynamics' workshop
- Reviewer and Reference for Chilean Fondecyt Postdoc applications
See Annex (next two pages) for more details

ANNEX 1: Conference organisation, students, recent proposals

- **Conference organisation**

- Chief organizer of ESO Chile Workshop 'Dynamics of Low-Mass Stellar Systems', Santiago, April 2011
- SOC/LOC member of inner-Chile star cluster workshop held in Santiago, March 2009
- Member of scientific advisory board for Symposium "Star clusters – witnesses of cosmic history" at JENAM 2008, Vienna

- **Student supervision**

- Supervisor of Master student Jeremy Fensch (Ecole Polytechnique, France) – 04-08/2013
- External evaluator for Master thesis of Andres Almeida (Universidad Andres Bello, Santiago) – 04/2013
- ESO supervisor of PhD thesis by Christoph Saulder (Vienna University; ESO Chile PhD studentship) – 11/2011 - 10/2013
- ESO supervisor of PhD thesis by Stefan Lieder (Heidelberg University; ESO Chile PhD studentship) – 03/2011 - 02/2013
- ESO supervisor of PhD thesis by Andreas Kuepper (Bonn University; ESO Chile PhD studentship) – 03-09/2010.
Andreas is now **Hubble fellow** at Columbia University.
- Co-supervision of PhD thesis by Matthias Frank (Heidelberg University; ESO Garching PhD studentship) – 12/2008 - 11/2010.
Matthias' PhD thesis, which is based on our group's spectroscopic data of individual UCDs (FLAMES 078.B-0496 PI Infante; ISAAC 081.B-0282 PI Mieske), is receiving this year's **PhD prize of the German Astronomical Society**.
- Co-supervision of PhD thesis by Ingo Misgeld (Bonn University; ESO Garching PhD studentship) – 11/2007 - 10/2009
- Co-supervision of master thesis by Ingo Misgeld (Bonn University) – 10/2006 - 10/2007

- **Ongoing and Accepted Observing Programs:**

- **091.B-0397 VIRCAM:** *The Next Generation Virgo Cluster Survey – Infrared*, PI Puzia
- **091.B-0143 VIMOS:** *Here be Dragons - using VIMOS to probe galaxy kinematics and stellar populations where no instrument has gone before*, PI Foster
- **091.B-0417 OmegaCAM:** *Ornaments on a Hat - A Panoramic Imaging Survey of Sombrero's Outer Halo, its Dwarf Satellite Population and its Globular Cluster System*, PI Puzia
- **092.B-0759 HAWKI:** *Compact stellar systems as probes for the violent past in the core of the Hydra galaxy cluster*, PI Georgiev
- **092.B-0476 HAWKI:** *Compact Stellar Systems in Hickson Compact Groups: A Multi-Band Photometric Search for their Origins*, PI Taylor
- **092.B-0622 VIRCAM & OmegaCAM:** *The Next Generation Fornax Survey – Pilot Project (NGFS-PP): Deep NUV-NIR Imaging of the Baryonic Substructures in the Fornax Cluster Core Region*, PI Munoz
- **092.B-0744 OmegaCAM:** *FOCUS: the FORNAX Cluster Ultradeep Survey*, PI Peletier
- **CN2013B-95 DECam@CTIO**, five nights 23-27/11/2013: *The Next Generation Fornax Survey (NGFS) with Blanco/DECam*, PI Munoz

ANNEX 2: conference contributions since joining ESO

- 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
- 03/2009 Talk at inner-Chile Star Cluster workshop, Santiago
- 05/2009 Invited talk at TDG09 conference, Bonn
- 01/2010 Talk at SOCHIAS annual meeting, Concepcion
- 08/2010 Invited highlight talk at MODEST 10 meeting, Beijing (declined)
- 10/2010 Poster contribution to conference ‘Low-Mass Star Formation’, Tenerife
- 04/2011 Chair discussion session at ESO workshop “Dynamics of Low-Mass Stellar Systems”, Santiago
- 08/2012 Talk at IAU GA Special Session 1 “Origin and Complexity of Massive Star Clusters”, Beijing
- 10/2012 Invited review talk on extragalactic globular clusters at SOCHIAS annual meeting, Valparaiso
- 10/2012 Poster contribution ESO-GAR workshop “Next Generation Imaging and Spectroscopic Surveys”
- 06/2013 Talk at workshop “Small Stellar Systems in Tuscany”, Prato, Italy
- 11/2013 Talk (requested; program not yet published) at LARIM 2013, Florianopolis, Brasil
- 06/2014 Invited talk at MODEST14 meeting, Bonn

- 2005- Regular Outreach Activities at ESO Garching, Vitacura, Paranal