

CURRICULUM VITÆ

Marina Rejkuba

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Personal Data

Position: Associate astronomer, ESO User Support Astronomers Department Head

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Date and Place of Birth: November 3, 1972 in Zagreb, Croatia

Citizenship: Croatian and Italian

Family Status: Married

Languages: Native Croatian; fluent: English, Italian, Spanish; good: German, Slovenian

Degrees

B.Sc. in Physics, 1998: The University of Zagreb, Croatia

Thesis: *“Photometric and Spectroscopic research of the Symbiotic Star YY Her”*

Ph.D. in Physics, 2002: Pontificia Universidad Católica de Chile (PUC)

Thesis: *“Resolved stellar populations in the nearby galaxies NGC 5128 and WLM”*

Employment History

Mar 2005–present: ESO Faculty astronomer (Assistant: 2005-2008, Associate since 2008)

Mar 2015–present: ESO User Support Department Head

Jan 2012–Feb 2015: ESO User Support Group Head within User Support Department

Mar 2005–Dec 2011: User Support Astronomer within ESO User Support Department

Oct 2002–Feb 2005: ESO Garching Fellow

Apr 2000 – Apr 2002: ESO studentship in Garching, Germany

Jun 1998 – Jul 2002: PhD student at PUC, Chile

Feb 1998 – Jun 1998: Research assistant at Asiago/Padova Observatory, Italy

1996 – 1997: Undergraduate thesis research student at the Asiago Observatory, Italy

Honors and Awards

2012, 2014 Exceptional performance award, ESO

2008, 2009 Scientific achievements award, ESO

1998–2000 Research and teaching grant from P. Univ. Católica de Chile

1997 Studentship grant: 6th Vatican Obs. Summer School, Castel Gandolfo, Italy

1996 Studentship award from the International Physics Students Organization

Research interests

• **Observational astronomy:** optical and near-IR photometry and spectroscopy techniques, color-magnitude diagrams simulation

• **Keywords:** galaxy halos, formation and evolution of galaxies, stellar populations, variable stars, globular clusters, globular cluster systems, distance indicators

Professional Activities

Current responsibilities at ESO:

- User Support Department Head: team lead for 10 user support astronomers, 2 operations support scientists and a Visiting Astronomers Travel office responsible. Main contact for the ESO Users' Committee.
- Project Scientist: Phase 2 evolution project and maintenance of the current OHS tools
- User support astronomer for VISTA surveys; back-up support for VIMOS and FLAMES
- Member of the ESO Survey Team
- Member of the Student Selection Committee
- DDT Committee member

Teaching and student supervision:

- **PhD students** supervision: Anupam Bhardwaj (ESO student 2016-2017; Delhi Univ.), Ivan Cabrera-Ziri (ESO student 2015-2017; Liverpool Univ.), Leo Huckvale (ESO student 2012-2013; Manchester Univ.), Oscar Gonzalez (ESO IMPRS student 2009-2012; LMU), Veronica Sommariva (ESO student 2007-2009; Padova Univ.)
- **Master students** supervision: Nikolay Kacharov (2010-2011; Sofia Univ.)
- PhD thesis committee member for: Johanna Hartke (ESO IMPRS, 2015-2018), Francisco Surot (ESO IMPRS, 2015-2018), Mariya Lyubenova (ESO IMPRS, 2005-2008), Lisette Sibbons (U. Hartfordshire, 2009-2010), Carina Lagerholm (ESO IMPRS, 2010-2012)
- Invited external PhD Examiner: E. Bernard, Univ. La Laguna, Tenerife, Spain (May 2009); R. Leaman, Univ. Victoria, BC, Canada (July 2012); S. Sudarsanan Kartha, Swinburne Univ., Melbourne, Australia (Nov 2015)
- short-term student projects through DGDF grants: G. Raimondo (2003/4), M. Gulieuszik (2006/7), and N. Kacharov (2011)
- 2004 and 2008: research group leader at "The NEON Archive Observing School", ESO
- 2000: research group leader at International Višnjan School of Astronomy, Croatia
- 1998 – 2000: Teaching assistant: physics laboratory; Stellar Astrophysics, PUC, Chile

Astronomical Community and ESO internal service:

- 2012 – 2016: Lorentz Center Astronomy Board member
- Peer review referee for the journals: A&A, AJ, ApJ, MNRAS, PASA and Nature
- Telescope Allocation Committee Panel Member: HST Cycle 18 and 22
- Peer review of astrophysics research grant proposals for: NWO (The Netherlands), the Croatian Ministry of Science, Education and Sport, CONICYT (Chile)
- Professional societies membership: AAS, EAS and the IAU
- 2016: Chair of the 4MOST Preliminary Design Review
- 2014: Chair of the Gemini Fast Turnaround review committee
- 2009: OPTIMOS E-ELT Instrument Review Board Member
- 2005 – 2012 Instrument Operations Team member for FORS1/2, FLAMES, VIMOS, VIRCAM
- 2010 – 2016 Munich Joint Astronomy Colloquia organising committee member
- 2006 – 2010 ESO Garching Fellows and Students Selection Committee Chair
- 2006 – 2010 ESO representative on the IMPRS on Astrophysics Executive Board
- 2003 – 2006 Member of the ESO Visitor Selection Committee in Garching

Scientific Conference organization:

• Scientific Organizing Committee:

2007: ESO Workshop “12 Questions on Star and Massive Star Cluster Formation”

2009 co-Chair: “Astronomy: A Common Ground for Sharing Humanity’s Concerns”, Super VOSS 2009, Sassone, Rome, Italy

2009: “The many faces of Centaurus A”, Sydney, Australia

2015 co-Chair: ESO Workshop “Baryons at low densities: the stellar halos around galaxies”

2015: Vatican VVV Workshop “A new galactic survey”, Castel Gandolfo, Italy

2015 co-Chair: ESO Workshop “Rainbows on the Southern sky: science and legacy value of the ESO public surveys”

2017: ESO Calibration Workshop: “the second generation VLT instruments and friends”, Santiago, Chile

2017: “On the Origin (and Evolution) of Baryonic Galaxy Halos”, Galapagos, Ecuador

2017: “Reaching New Heights in Astronomy”, Garching, Germany

• Local Organizing Committee:

2002: ESO Workshop “Extragalactic Globular Cluster Systems”

2004: ESO Workshop “Planetary Nebulae beyond the Milky Way”

2010: MPA/MPE/ESO/USM Joint conference “Galaxy clusters: observations, physics and cosmology”

2011: ESO workshop “Fornax, Virgo, Coma et al.”

2012: LOC Chair: ESO workshop “Science from the Next Generation Imaging and Spectroscopic Surveys”

Professional Training and Experience

Telescope usage and observing experience:

- Experienced observer and PI/CoI on successful proposals for: HST, ESO VLT, 3.5m NTT, 2.2m La Silla, LCO Magellan 6.5m, CTIO 4m Blanco, Subaru, and LBT.

- 2002 – 2005: ESO fellow duties at Paranal Science Operations (168 nights) responsible for day time operations and night time observations on VLT-UT2: FLAMES, UVES, FORS1

- 2006 – 2012 service mode observing with VIMOS, VISIR and ISAAC at VLT-UT3

- 2003 - Science Verification team observer at FLAMES instrument at ESO VLT

- 2009 - Science Verification team observer at VISTA survey telescope

Professional Training Courses:

- 2008: Project Management

- 2010: Sybase Course (SQL) ”Fast Track to Adaptive Server Enterprise 15”

- 2012: Management Development Programme (MDP) Modules I (Effective Performance Reviews), MDP Module II (Management Styles and Managing Change) and MDP Module III (Interviewing Skills)

- 2012: Time management, Effectively Managing Harassment

- 2014: Conflict Management, Difficult Conversations, Delegation Skills

- 2016: Coaching

Main research projects and collaborations

- Stellar populations content, structure and origin of galaxy halos
 - collaborators W. Harris, G. Harris, L. Greggio, H. Jerjen, M. Arnaboldi, J. Walsh
- The stellar populations and structure of the Milky Way Bulge
 - member of the VISTA Public Survey VVV (PI: D. Minniti, Co-PI: P. Lucas)
 - member of the GIBS team (PI: M. Zoccali)

Publications Summary

- 113 papers in refereed journals with > 3700 citations; h-factor 34; 18 papers as first, 3 as single author
- 98 non-refereed publications (conference proceedings, SPIE, Messenger articles, etc)
- 5 science and photo press-releases

Referee's Names and Addresses

- Dante Minniti** Astronomy Department,
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- William E. Harris** Dept. of Physics and Astronomy
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- Gary Da Costa** Research School of Astronomy & Astrophysics
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