

CURRICULUM VITÆ

Marina Rejkuba

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Personal Data

Position: Assistant astronomer at ESO

Address: ESO, Karl-Schwarzschild-Str. 2, 85748 Garching near Munich, Germany

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Homepage: <http://www.eso.org/~mrejkuba>

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

Citizenship: Croatian and Italian

Family Status: Married

Languages: Native Croatian speaker, fluent in English, Italian and Spanish,
good knowledge of German and Slovenian

Education

Ph.D. in Physics, June 28, 2002: Pontificia Universidad Católica de Chile (PUC)

Graduated with top score 7/7 with thesis entitled: “*Resolved stellar populations in the nearby galaxies NGC 5128 and WLM*” (Supervised by D. Minniti and D. R. Silva)

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

Graduated with top score 5/5 with thesis entitled: “*Photometric and Spectroscopic research of the Symbiotic Star YY Her*” (Supervised by K. Pavlovski and U. Munari)

Employment History

Mar 2005–current: Assistant astronomer in the User Support Department at ESO

Oct 2002–Feb 2005: ESO Garching Fellowship; 75% research time + 25% of the time
Science Operations Support Astronomer at the ESO Paranal Observatory

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

Apr 2000 – Apr 2002: Student Fellowship at ESO, Garching, Germany

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

2000–2002 Awarded a two year Student Fellowship at ESO, Garching, Germany

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

1997 Studentship award for the 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, optical spectroscopy
- **Keywords:** stellar populations, variable stars, globular clusters, globular cluster systems, galaxy halos, formation and evolution of galaxies, simulated color-magnitude diagrams

Professional Activities

Current responsibilities:

- Chair of the ESO Garching Fellows and Students Selection Committee
- ESO representative on the Executive and Evaluation Board of the International Max-Planck Research School (IMPRS) on Astrophysics
- Main responsible in the ESO User Support Department for the VIMOS optical imager and multi-object spectrograph of the ESO VLT
- Member of the Instrument Operations Teams for VIMOS, FORS1/2, FLAMES

Teaching and student supervision:

- Aug 1998 – Jan 2000: Teaching assistant for the physics laboratory courses for non-physics major undergraduate students at PUC, Chile
- Aug 1999 – Jan 2000: Teaching assistant in the Stellar Astrophysics Class for undergraduate astronomy major students at PUC, Chile
- Jul 2000: Leading a student research group at the International Višnjan School of Astronomy, Croatia
- Sep 2003 – Mar 2004: Co-supervising the PhD student Gabriella Raimondo, on a 6 month project funded by ESO Director General Discretionary Fund
- Jul 2004: Tutoring a research group at “The NEON Archive Observing School”, ESO Garching, Germany
- 2006/7: Supervising the PhD student Marco Gullieuszik on a 6 month project funded by ESO Director General Discretionary Fund
- Since Nov 2006: Co-supervising the PhD student Veronica Sommariva funded through the ESO Studentship Programme

Telescope usage:

- Experienced observer and PI/CoI of successful proposals on ESO 8m VLT, 3.5m NTT, 2.2m La Silla telescope, Magellan 6.5m telescope of Las Campanas Observatory, 4m Blanco at CTIO, and HST.
- 2003 - member of Science Verification teams of FLAMES instrument at ESO VLT
- 2002–2005 spending 56 days/year at ESO Paranal observatory as a Support Astronomer - running night-time operations of FLAMES, UVES and FORS1 instruments at VLT-UT2
- 2006–2007 service mode night-time operations of VIMOS and VISIR at VLT-UT3

Other professional activities:

- Peer review referee for the journals: “Astronomy & Astrophysics”, “The Astronomical Journal”, and “The Astrophysical Journal”
- Peer reviewing astrophysics research proposals for grants from the Croatian Ministry of Science Education and Sport
- 2003–2006 Member of the ESO Visitor Selection Committee in Garching
- Member of the American Astronomical Society (AAS)
- Member of the International Astronomical Union (IAU)
- Participant in The Cluster of Excellence for Fundamental Physics “Origin and Structure of the Universe” (<http://universe.physik.tu-muenchen.de/>)

Ongoing projects and collaborations

- PI of two recently approved ESO P80 proposals:
VIMOS+ISAAC Proposal 080.B-0692: "Stellar population guide to the pre- and post-starburst phases of nearby galaxies." - collaboration with J. Gallagher, S. Beaulieu, M.-R. Cioni, D. Harbeck, M. Gullieuszik, & E. Held
FLAMES Proposal 080.D-0322: "Chemical signature of the Large Magellanic Cloud globular cluster NGC 1754" - collaboration with F. Primas, V. Hill, L. Pompeia, J. Truran, and L. Pasquini
- Co-I of the VVV (VISTA Variables in the Via Lactea), an approved VISTA Survey (PI: D. Minniti, Co-PI: P. Lucas) - the 5 year public survey is expected to start in early 2008
- Planetary Nebulae kinematics in NGC 5128; based on VLT FLAMES spectra (PI: Walsh) - collaboration with J. Walsh, N. Walton
- Investigation of the metallicity gradients and detailed star formation history of the halo of NGC 5128; based on HST ACS proposals from Cycle 11 (PI: Rejkuba) - collaboration with W. Harris, G. Harris, L. Greggio, and E. Peng
- Stellar populations in the halo of edge-on spiral galaxy NGC 891; based on HST ACS Cycle 12 data - collaboration with M. Mouhcine, R. Ibata
- Integral field spectroscopy of Large Magellanic Cloud clusters in the near-IR; based on VLT SINFONI data (PI: Kuntschner) - collaboration with H. Kuntschner, M. Lyubenova, M. Kissler-Patig, L. Tacconi-Garman, and S. Mengel
- Near-IR and optical stellar populations of dwarf elliptical/spheroidal galaxies in Centaurus A and Sculptor group; based on VLT ISAAC data (PI: Jerjen) and Cycle 14 HST ACS data (PI: Da Costa) - collaboration with G. Da Costa, H. Jerjen, M. Zoccali and B. Binggeli

Publications Summary

- 41 papers in refereed journals (12 as first author, 2 as single author)
- 29 conference proceedings (18 as first author)
- 1 Press-release, ESO-PR 13/03
- a total of more than 550 citations

Scientific meetings, conferences and seminars:

- Since 1998 - gave 17 seminars/public talks at astronomical institutes
- Since 1995 - participated at 30 international meetings and gave 15 invited or contributed talks, and many poster presentations
- Scientific Organizing Committee member:
ESO Workshop "12 Questions on Star and Massive Star Cluster Formation", July 3-6, 2007
- Local Organizing Committee member:
ESO Workshop "Extragalactic Globular Cluster Systems", August 27-30, 2002
ESO Workshop "Planetary Nebulae beyond the Milky Way", May 19-21, 2004
IMPRS on Astrophysics students selection workshop 2007, MPE, February 5-7, 2007