

# ASHLEY J. RUITER

## CURRICULUM VITAE

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### PROFESSIONAL EMPLOYMENT AND FELLOWSHIPS

- 04.2014-present: CAASTRO Research Fellow, **The Australian National University** (ANU), Research School of Astronomy & Astrophysics, Mount Stromlo Observatory, Canberra, Australia.
- 09.2009-04.2014: Postdoctoral Fellow, **Max Planck Institute for Astrophysics** (MPA), Garching, Germany.
- 07.2008-06.2009: Smithsonian Predoctoral Fellow, **Harvard-Smithsonian Center for Astrophysics** (CfA), Cambridge, MA, USA (Advisor: J. Grindlay).

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### UNIVERSITY EDUCATION

- 08.2009: Ph.D. Astronomy, **New Mexico State University** (NMSU), Las Cruces, NM, USA  
*“White Dwarfs in Close Binaries: Gravitational Waves, X-rays & Type Ia Supernova Progenitors”*. (Advisor: K. Belczynski).
- 10.2005: M.Sc. Astronomy, **Saint Mary’s University**, Halifax, Canada *“Infrared Imaging of the Sub-millimetre Protocluster Near NGC 2068 in Orion B”*. (Advisor: G. Mitchell).
- 06.2002: B.Sc. Physics & Astronomy with honours, **York University**, Toronto, Canada.

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### INVITED TALKS

- 09.2016: **MIAPP workshop: the Physics of Supernovae**, Garching, Germany
- 02.2016: **Electron capture SNe and super-AGB star workshop**, Melbourne, VIC, Australia
- 07.2015: **Women in Astronomy Workshop**, St. Lucia, QLD, Australia
- 08.2014: **Supernovae in the Local Universe**, Coffs Harbour, NSW, Australia
- 09.2013: **Workshop on SN Ia Progenitors II**, Lorentz Center, Leiden, The Netherlands
- 09.2012: **Supernovae Illuminating the Universe**, Garching, Germany
- 09.2010: **Workshop on SN Ia Progenitors**, Lorentz Center, Leiden, The Netherlands
- 09.2009: **Workshop on Stellar Mergers**, Lorentz Center, Leiden, The Netherlands
- 09.2008: **2nd International Workshop on AM CVn Stars**, Cape Town, South Africa

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### TEACHING & MENTORING EXPERIENCE

- 07.2015-present: **Co-advisor**: PhD student F. Panther (anticipated degree date 2018, ANU)
- 11.2015-01.2016: **Advisor**: undergraduate summer research scholar P. Dawson (binary stars project, ANU)
- 2012-2015: **Co-advisor**: Undergrad & Masters student D. Kwiatkowski (Masters awarded 09.2015, Warsaw)

- 06.2013-07.2013: **Advisor:** undergraduate student K. Hay during 6 week internship project (MPA)
- 01.2010: **Invited Lecturer** for Prof. Dr. P. Mazzali at Scuola Normale Superiore, Pisa, Italy
- 10.2009-12.2009: **Advisor** for Advisor-Seminar Astro-Kern-Physik, Technische Universität München:  
“From the Big Bang to supernovae: the role of nuclear structure in astrophysics”
- 08.2004-12.2006: New Mexico State University: **Teaching Assistant** for undergraduate astronomy labs;  
**Head Teaching Assistant** for undergraduate astronomy labs (Fall 2005)
- 09.2002-04.2004: Saint Mary’s University: **Lecturer** for physics tutorials and forensics labs;  
**Teaching Assistant** for undergraduate physics labs; **Physics Tutor**
- 10.1998-04.2002: York University Astronomical Observatory **Research Assistant** and **Tour Leader**
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## TELESCOPE EXPERIENCE & OBSERVING

- Co-Investigator on numerous proposals for competitively awarded telescope time (Very Large Telescope, Gemini North, Keck II, Large Binocular Telescope, Hubble Space Telescope, SkyMapper, Siding Spring Observatory).
  - NMSU Clyde Tombaugh Observatory: Telescope operator, tour leader, student project supervisor.
  - Canada-France-Hawaii Telescope: Infrared imaging for Master’s thesis (NGC 2068, NGC 2071).
  - York University Astronomical Observatory: Telescope operator, tour leader, student project supervisor, collected data for science and coursework.
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## SERVICE & COMMITTEE WORK

- Scientific Referee: MNRAS, MNRAS Lett., ApJ, ApJ Lett., A&A
  - Elected member of CAASTRO postdoctoral committee (2016-present)
  - Chair and organiser of weekly supernova group meetings at ANU (2015-present)
  - Elected member of the ANU telescope Time Assignment Committee (11.2015-10.2016)
  - Member of the *Organising Committee* for the Australian National Institute for Theoretical Astrophysics (ANITA) 2015 school and workshop
  - *Scientific Organising Committee* member for international conference ‘Type Ia Supernovae: Progenitors, Explosions, and Cosmology’ (Chicago, Sept. 2014)
  - Member of the *eLISA* ultra-compact binaries working group, 2013-present
  - Elected member of the Betriebsrat (Works Council) at MPA 2010-2013
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## OUTREACH & PRESS

- Phone interview for *Cosmos* Magazine with Belinda Smith (Nov. 2015) “Two stars locked in a cosmic kiss”
  - Giving public talks at observatories and for school-aged children (Las Cruces, Garching, & Canberra)
  - Leading public telescope and planetarium tours (Toronto, Halifax, Las Cruces, & Canberra)
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