

# Curriculum Vitae

## Personal Information

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Name	Franz Kirsten
E-Mail	franz.kirsten@curtin.edu.au
Web	www.franzkirsten.de
Citizenship	German
Marital Status	Married
Children	2, born 2011 and 2014

## Academic Record

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Since Nov 2014	<b>Research Associate</b> , Curtin Institute of Radio Astronomy, Perth, Australia.
Oct 2011 – Oct 2014	<b>PhD student in Astrophysics</b> , University of Bonn, Max Planck Institut für Radioastronomie, Germany. Supervisors: Wouter Vlemmings, Michael Kramer, and Frank Bertoldi PhD Thesis: Pulsar astrometry with VLBI and beyond
Aug 2010 – Sep 2010	<b>Internship at the Academia Sinica Institute of Astronomy and Astrophysics</b> , Taipei, Taiwan. Supervisors: Lin Li-Hwai and Wang Wei-Hao
Oct 2009 – Sep 2011	<b>Master of Science in Astrophysics</b> , University of Bonn, Germany Master Thesis: Multi-epoch VLBI mapping of the globular cluster M15. A pulsar proper motion analysis. Supervisor: Wouter Vlemmings
Sep 2008 – Aug 2009	<b>Tsinghua University</b> , Beijing, China Studies of physics and mandarin
Oct 2005 – Aug 2008	<b>Bachelor of Science in Physics</b> , University of Leipzig, Germany

## Publications

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### Refereed papers

“Revisiting the birth locations of pulsars B1929+10, B2020+28, and B2021+51”  
**Kirsten, F.**; Vlemmings, W.H.T.; Campbell R. M.; Kramer M.; Chatterjee, S  
2015, A&A, 577, 111

“Precision astrometry of pulsars and other compact radio sources in the globular cluster M15”

**Kirsten, F.**; Vlemmings, W.H.T.; Freire, P.; Kramer, M.; Rottmann, H.; Campbell, R.M.

2014, A&A, 565, 43

“Variability in Ultra-luminous X-ray Sources”

Webb, Natalie; Cseh, David; **Kirsten, F.**

2014, PASA, 31, 9

“No evidence for a central IMBH in M15”

**Kirsten, F.** and Vlemmings, W. H. T.

2012, A&A, 542, A44

“Clustering properties of BzK-selected galaxies in GOODS-N: environmental quenching and triggering of star formation at  $z \sim 2$ ”

Lin, L.; Dickinson, M.; Jian, H.-Y.; Merson, A. I.; Baugh, C. M.; Scott, D.; Foucaud, S.; Wang, W.-H.; Yan, C.-H.; Yan, H.-J.; Cheng, Y.-W.; Guo, Y.; Helly, J.; **Kirsten, F.**; Koo, D. C.; Lagos, C. d. P.; Meger, N.; Pope, A.; Simard, L.; Grogin, N. A.; Messias, H.; Wang, S.-Y.

2012, ApJ, 756, 71L

## Conference Proceedings

“VLBI mapping of the globular cluster M15 - A pulsar proper motion analysis”

**Kirsten, F.**; Vlemmings, W.H.T.; Kramer, M.; Freire, P.; v. Langevelde, H.J.

2011, Proceedings of the 20th EVGA meeting, Schriftenreihe des Instituts für Geodäsie und Geoinformation, Heft 22, pp 108-111, Universität Bonn, ISSN 1864-1113, [external link](#)

## Talks

“Pulsar astrometry with VLBI: from classical to extreme”

Invited colloquium talk at the Centre for Astrophysics and Supercomputing, Swinburne University, 04 June 2015, Melbourne, Australia

“From Astrometry to Scintillometry”

Journal Club talk at the Curtin Institute of Radio Astronomy, 09 February 2015, Perth, Australia

“Astrometry of Pulsars in M15”

4th Bonn Workshop on NSs, 16 December 2013, Bonn, Germany

“High precision astrometry of compact objects in M15”

Lunch talk at the Joint Institute for VLBI in Europe, 18 July 2013, Dwingeloo, The Netherlands

“High sensitivity observations of the core region of M15 - Searching for the IMBH”

Locating Astrophysical Transients, 16 May 2013, Leiden, The Netherlands

“Pulsars in M15: Results of a proper motion measurement campaign”

Latest results from the neutron-star laboratory, 07 May 2013, Amsterdam, The Netherlands

“Wide-field global VLBI observations of the globular cluster M15”

The Modern Radio Universe, 25 April 2013, Bonn, Germany

“Global VLBI observations of M15 – Is there an IMBH at its core?”  
Lunch talk at the Joint Institute for VLBI in Europe, 18 January 2012, Dwingeloo, The Netherlands

“VLBI mapping of M15 - A pulsar proper motion analysis”  
Young European Radio Astronomers Conference at the University of Manchester/Jodrell Bank Observatory, 18-20 July 2011, Manchester, England

## Posters

“Where is the intermediate mass black hole in M15?”  
**Kirsten, F.** and Vlemmings, W.H.T.  
BCGS poster session, 22 June 2012, Bonn, Germany

“VLBI mapping of M15 - A pulsar proper motion analysis”  
**Kirsten, F.;** Vlemmings, W.H.T.; Kramer, M.; Freire, P.; v. Langevelde, H.J.  
20th meeting of the European VLBI Group for Geodesy and Astrometry 29–30 March, 2011, Bonn, Germany

## Conferences / Workshops / Schools attended

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February 2014	“German SKA Science Meeting”, Bielefeld, Germany
December 2013	“4th Bonn Workshop on Neutron Stars”, Bonn, Germany
May 2013	”Locating Astrophysical Transients”, Leiden, The Netherlands
May 2013	”Latest results from the neutron-star laboratory”, Amsterdam, The Netherlands
Apr 2013	”The Modern Radio Universe”, Bonn, Germany
Jan 2013	”From Classical to Quantum GR: Applications to Black Holes”, Brighton, UK
Feb 2012	“Formation and Evolution of Neutron Stars”, Bonn, Germany
Sep 2011	“4th European Radio Interferometry School”, Rimini, Italy
Jul 2011	“Young European Radio Astronomers Conference”, Manchester, England
Mar 2011	“20th EVGA meeting”, Bonn, Germany

## Awards

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Oct 2010 – Sep 2014	<b>Stipend</b> from the Bonn-Cologne Graduate School of Physics and Astronomy (BCGS)
Aug 2010 – Sep 2010	<b>Full scholarship</b> from the German Academic Exchange Service (DAAD) and the National Science Council Taiwan for an internship at the Academia Sinica Institute of Astronomy and Astrophysics
Sep 2008 – Aug 2009	<b>Full scholarship</b> from the DAAD and the Chinese Scholarship Council to study at Tsinghua University, Beijing

Jul 2003

**Book price** from Wilhelm von Siemens Gymnasium for A-levels (Abitur)

## **Memberships / Commitment**

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Astronomical Society of Australia  
Deutsche Physikalische Gesellschaft (German Physical Society)

## **Teaching**

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- Summer-term 2013     **Teaching Assistant** for the lecture 'Physics of the Interstellar Medium' read by Frank Bertoldi, University of Bonn, Germany
- Winter-term 2010/11     **Teaching Assistant** for the lecture 'Einführung in die Astronomie' (Introduction to Astronomy) read by Jürgen Kerp, University of Bonn, Germany
- Summer-term 2011     **Teaching Assistant** for the lecture 'Einführung in die extragalaktische Astronomie' (Introduction to extra galactic Astronomy) read by Peter Schneider and Patrick Simon, University of Bonn, Germany

## **Computer Skills**

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Familiar with Linux and Windows workstations, AIPS, CASA, Latex, C, C++, IDL Perl, HTML, Python, ParselTongue

## **Language Skills**

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Near native command of English  
Near native command of French  
Good command of Mandarin  
Fair command of Spanish

## **Interests**

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Literature, foreign cultures, sports, traveling, gardening