

# PROF. DR. CHRISTOPHER JOHN RISELEY

## PERSONAL DETAILS

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		<b>E-mail:</b>	riseley@astro.ruhr-uni-bochum.de christopher.riseley@ruhr-uni-bochum.de chris.riseley.astro@gmail.com
<b>Website:</b>	<a href="https://astroripples.github.io/cjriseley/">https://astroripples.github.io/cjriseley/</a>		

## EDUCATION

<b>University of Southampton</b> , Southampton, UK	2012 – 2016
Doctor of Philosophy in Physics	
Supervisor: Prof. Anna Scaife	
<b>University of Exeter</b> , Exeter, UK	2008 – 2012
Master of Physics with Honours in Physics with Astrophysics, 1 <sup>st</sup> Class	
Project supervisor: Prof. Isabelle Baraffe	

## PUBLICATION SUMMARY

My full publication history is available via the [SAO/NASA Astrophysics Data System](#) or via [Google Scholar](#).

Peer Reviewed Articles:	<b>65</b>	<b>Source: SAO/NASA ADS</b>	<b>Source: Google Scholar</b>
First Author Articles:	<b>10</b>	Total citations:	<b>2263</b>
Conference Proceedings:	<b>2</b>	First-author citations:	<b>209</b>
<b>Source: SciVal</b> (post-PhD: 2016–present)		<i>h</i> -index:	<b>26</b>
Field-weighted citation impact :	<b>2.32</b>	<i>g</i> -index:	<b>46</b>
International collaboration:	<b>98.4%</b>	<i>i</i> 10-index:	<b>50</b>
All statistics are quoted as of January 2025.			

## ACCEPTED PI PROPOSALS

Facility	Code/Details	Total
<b>MeerKAT</b>	DDT-20230705-CR-01, SCI-20210212-CR-01	84.5 hours
<b>ATCA</b>	C3389, C3258, C3198	305 hours
<b>VLA</b>	24A-063	8.5 hours
<b>VLBI</b>	CY18006 (eMERLIN), ER051 (EVN+e-MERLIN), V582 (LBA)	45 hours
<b>GMRT</b>	45_047, 37_106, ddtC080, ddtC066, 31_039, 25_077	105 hours
<b>Other radio</b>	MWA [G0084], LOFAR [LC16_003], AMI <sup>1</sup> , KAT-7 <sup>1</sup>	668 hours
<b>Other optical</b>	HCT [HCT-2024-C1-P38]; ANU 2.3m [PID 4190027]	three nights
<b>CINECA HPC</b>	HP10CKFA8P; HP10C7MGGE	22k core-hours

<sup>1</sup>: One proposal each, no code.

## NETWORKS & ASSOCIATIONS

<b>ATNF</b>	Time allocation committee expert reader (12/2023–12/2025)
<b>MWA</b>	<b>Principal Scientist (03/2021–)</b> ; GEG science working group (polarimetry lead 08/2018–08/2019)
<b>ASKAP</b>	EMU (Clusters & Cosmic Web working group co-chair 2019–); POSSUM
<b>LOFAR</b>	Magnetism Key Science Project; Surveys Key Science Project; MSSS core team (2012–2018)
<b>SKA</b>	Magnetism Science Working Group member
<b>ASA</b>	Early Career Researcher (ECR) steering committee member (06/2021–08/2023)

## AWARDED GRANTS

Source	Details	Value
<b>UWA</b>	RCA 2023/GR001284 “ <i>The Evolutionary Map of the Universe (EMU): Maximising Scientific Results from Year 1 of the Radio Survey</i> ”	AU\$25,000
<b>INAF</b>	MG2023 “ <i>Mapping the largest-scale magnetic fields with the MeerKAT Galaxy Cluster Legacy Survey</i> ” ( <i>Funding awarded and later retracted due to complications with the ‘incarico di ricerca’</i> )	EUR20,000
<b>OzGrav</b>	Sponsorship for 2023 ASA ECR Chapter python workshop <sup>2</sup>	AU\$2,500
<b>ASTRO3D</b>	Childcare costs for 2023 ASA ECR Chapter python workshop <sup>2</sup>	AU\$2,500
<b>ADACS</b>	Training support for 2023 ASA ECR Chapter python workshop <sup>2</sup>	in-kind <sup>3</sup>

<sup>2</sup>: Submitted on behalf of the ASA ECR Chapter Steering Committee. <sup>3</sup>: Five weeks (out of five requested) ADACS training support at 1.0 FTE.

## ORGANISATION OF SCIENTIFIC MEETINGS

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- 2024:** EAS 2024, SOC member for Special Session 31 [Padova, Italy]; SPARCS-XII, LOC member, May 2024 [Bologna, Italy]; Cosmic Magnetism in the Pre-SKA Era, SOC member, May 2024 [Kagoshima, Japan].
- 2023:** 10 years of MWA operations: a celebration of international collaboration in radio astronomy, organising committee member, July 2023 [Perth, Australia].
- 2022:** MWA Project Meeting, SOC member, December 2022 [hybrid]; CLUSTER3 Meeting, discussion session chair, September 2022 [Bologna, Italy]; MWA Project Meeting, SOC member, July 2022 [hybrid].
- 2021:** MWA Virtual Project Meeting, SOC member, December 2021 [online]; MWA Virtual Project Meeting, SOC member, June 2021 [online].

## SEMINARS AND COLLOQUIA

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- 2024:** Swiss SKA Days 2024 (*invited*); EAS 2024 (one *invited* talk, two contributed talks); SPARCS-XII (contributed); Harvard-CfA colloquium (*invited*)
- 2023:** SALF-IX (contributed); The Fourth National Workshop on the SKA Project (contributed); DIFA Astrophysics Seminar Series (*invited*); UKZN Astrophysics Seminar Series (*invited*); Joint SKA Magnetism/EoR Meeting (*invited*); 10 years of MWA operations: a celebration of international collaboration in radio astronomy (two presentations: one *invited*, one contributed); LOFAR Family Meeting 2023 (contributed)
- 2022:** SKA Magnetism SWG Plenary (contributed); EMU International Virtual Meeting 2022 (contributed); ASA Annual Scientific Meeting (contributed); URSI AT-AP-RASC 2022 (contributed); ICRAR Colloquium (*invited*).
- 2021:** GalFid Seminar Series (*invited*); Radio2021 Symposium (contributed); SPARCS-X (contributed); The Third National Workshop on the SKA Project – The Italian Route to the SKAO Revolution (contributed); ASA Annual Scientific Meeting (contributed); LOFAR MKSP Annual Meeting (contributed); Harvard-CfA colloquium (*invited*); A Precursor View of the SKA Sky (contributed). *All 2021 colloquia virtual.*
- 2020:** SALF-VII (*invited*); Radio2020 Symposium (*invited*); ANU-RSAA colloquium (*invited*); ASA Annual Scientific Meeting (contributed); EAS 2020 (contributed); LOFAR MKSP Annual Meeting (contributed). *All 2020 colloquia virtual due to COVID-19 restrictions.*
- 2019:** NRAO, Socorro (colloquium); SALF-VI (contributed); The 17th International Meeting of the EMU project (contributed); The Second Pietro Baracchi Conference (contributed); ASA Annual Scientific Meeting (contributed); SPARCS-IX (contributed).
- 2018:** SALF-V (contributed); The 4th SKA Summer School, Shanghai (*invited*); ASA Annual Scientific Meeting (contributed); SPARCS-VIII (contributed); ASTRON/JIVE Colloquium (colloquium); EWASS (contributed).
- 2017:** SALF-IV (contributed); The Broad Impact of Low-Frequency Observing (contributed); Physics of the Intracluster Medium (contributed).
- 2016:** Bolton & Student Symposium (contributed); The First Pietro Baracchi Conference (contributed); LOFAR MKSP Meeting (contributed).
- 2015:** SALF-II, Albuquerque (contributed); East Asia Observatory, Hilo (colloquium).
- 2014:** YERAC 2014 (contributed); NCRA, Pune (colloquium).
- 2013:** SKA South Africa, Cape Town (colloquium).

## PRESS RELEASES & MEDIA

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- 2023:** The Conversation (AU): “*The largest structures in the Universe are still glowing with the shock of their creation*”. Published: February 15, 2023. Reads: 29,514.
- 2022:** VICE Motherboard: “*Strange Radio Signals From Deep Space Contain Signs of New Physics, Scientists Say*”. Published: August 4, 2022.  
UniBo Magazine: “*Le emissioni radio enigmatiche e spettacolari di Abell 3266*”. Published: August 1, 2022.  
The Conversation (AU): “*We found some strange radio sources in a distant galaxy cluster. They’re making us rethink what we thought we knew*”. Published: July 31, 2022. Reads: 138,236.

## TEACHING & MENTORING

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<b>2024:</b>	Annalisa Pagliotta, Masters student, Università di Bologna
<b>2022:</b>	Keegan Trehaeven, Masters student, Rhodes University ( <i>visiting at the Università di Bologna</i> )
<b>2021 – 2024:</b>	Giada Pignataro, PhD student, Università di Bologna ( <i>co-supervision</i> )
<b>2021:</b>	Giulia Lusetti, Masters student, Università di Bologna ( <i>co-supervision</i> )
<b>2019 – 2022:</b>	Nadia Biava, PhD student, Università di Bologna ( <i>co-supervision</i> )
<b>2018 – 2019:</b>	Dr. Xiang Zhang, CERC Fellow, CSIRO Space & Astronomy
<b>2018:</b>	Three-part invited lecture series at the 4th SKA Summer School, Shanghai
<b>2015:</b>	Emma Alexander, third-year undergraduate summer student, University of Manchester.
<b>2013:</b>	Second-year classical mechanics demonstrator, University of Southampton.

## ENGAGEMENT & OUTREACH

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<b>2019:</b>	Presenter and Volunteer at Perth Astrofest
<b>2018:</b>	Presenter at CSIRO STEM Open Day; CSIRO booth volunteer at Perth Science Festival; Volunteer at Stargazing Live Star Party in Geraldton; live radio interview for ABC Mid-West & Wheatbelt in Geraldton; CSIRO booth volunteer at Perth Astrofest.
<b>2012 – 2014:</b>	Southampton Astrodome team member and presenter.

## TECHNICAL STRENGTHS

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<b>Telescope Experience:</b>	MeerKAT, MWA, ATCA, ASKAP, GMRT, LOFAR, VLA, KAT-7, AMI
<b>Software (astronomy):</b>	DDFacet, killMS, CASA, <i>MIRIAD</i> , AIPS, WSclean
<b>Software (general):</b>	slurm, Python, L <sup>A</sup> T <sub>E</sub> X, Shell, HTML
<b>Languages:</b>	English (native), Italian (advanced), French (advanced), German (advanced)

## EMPLOYMENT HISTORY

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<b>Ruhr-Universität Bochum</b> , Astronomisches Institut	01/01/2025 – 31/12/2027 Position: Junior Professor of Radio Astronomy
<b>Università di Bologna</b> , Dipartimento di Fisica e Astronomia Supervisor: A/Prof. Annalisa Bonafede	01/10/2022 – 31/12/2025 Position: Research Fellow
<b>Università di Bologna</b> , Dipartimento di Fisica e Astronomia Supervisor: A/Prof. Annalisa Bonafede	01/09/2019 – 31/08/2022 Position: Research Fellow
<b>CSIRO Space &amp; Astronomy</b> Line Manager: Dr. George Heald	01/09/2016 – 31/08/2019 Position: OCE Postdoctoral Fellow
<b>University of Manchester, Manchester, UK</b> Supervisor: Prof. Anna Scaife	01/01/2015 – 28/07/2016 Position: Research Student (PhD)
<b>University of Southampton, Southampton, UK</b> Supervisor: Prof. Anna Scaife	01/09/2012 – 31/12/2014 Position: Research Student (PhD)

## REFEREES

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A/Prof. Annalisa Bonafede	Dipartimento di Fisica e Astronomia, Università degli Studi di Bologna, via P. Gobetti 93/2, 40129 Bologna, Italy. <i>E-mail:</i> annalisa.bonafede@unibo.it
Dr. George Heald	CSIRO Space & Astronomy, PO Box 1130, Bentley Delivery Centre, WA 6983, Australia. <i>E-mail:</i> george.heald@csiro.au
Prof. Anna Scaife	Jodrell Bank Centre for Astrophysics, School of Physics & Astronomy, Oxford Road, Manchester, M13 9PL, UK. <i>E-mail:</i> Anna.Scaife@manchester.ac.uk

## DICHIARAZIONE // DECLARATION

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