

PROF. DR. CHRISTOPHER JOHN RISELEY

PERSONAL DETAILS

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| Address: | Astronomisches Institut, Ruhr-Universität Bochum, Universitätsstraße 150, 44801 Bochum, Germany | Mobile: | +39 391 395 6513 |
| | | E-mail: | riseley@astro.ruhr-uni-bochum.de christopher.riseley@ruhr-uni-bochum.de chris.riseley.astro@gmail.com |
| Website: | https://astroripples.github.io/cjriseley/ | | |

EDUCATION

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| University of Southampton , Southampton, UK | 2012 – 2016 |
| Doctor of Philosophy in Physics | |
| Supervisor: Prof. Anna Scaife | |
| University of Exeter , Exeter, UK | 2008 – 2012 |
| Master of Physics with Honours in Physics with Astrophysics, 1 st 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](#).

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

ACCEPTED PI PROPOSALS

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

¹: One proposal each, no code.

NETWORKS & ASSOCIATIONS

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

AWARDED GRANTS

| Source | Details | Value |
|----------------|--|----------------------|
| UWA | 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 |
| INAF | 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 |
| OzGrav | Sponsorship for 2023 ASA ECR Chapter python workshop ² | AU\$2,500 |
| ASTRO3D | Childcare costs for 2023 ASA ECR Chapter python workshop ² | AU\$2,500 |
| ADACS | Training support for 2023 ASA ECR Chapter python workshop ² | in-kind ³ |

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

ORGANISATION OF SCIENTIFIC MEETINGS

- 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

- 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

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

ENGAGEMENT & OUTREACH

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| 2019: | Presenter and Volunteer at Perth Astrofest |
| 2018: | 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. |
| 2012 – 2014: | Southampton Astrodome team member and presenter. |

TECHNICAL STRENGTHS

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

EMPLOYMENT HISTORY

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| Ruhr-Universität Bochum , Astronomisches Institut | 01/01/2025 – 31/12/2027 Position: Junior Professor of Radio Astronomy |
| Università di Bologna , Dipartimento di Fisica e Astronomia Supervisor: A/Prof. Annalisa Bonafede | 01/10/2022 – 31/12/2024 Position: Research Fellow |
| Università di Bologna , Dipartimento di Fisica e Astronomia Supervisor: A/Prof. Annalisa Bonafede | 01/09/2019 – 31/08/2022 Position: Research Fellow |
| CSIRO Space & Astronomy Line Manager: Dr. George Heald | 01/09/2016 – 31/08/2019 Position: OCE Postdoctoral Fellow |
| University of Manchester, Manchester, UK Supervisor: Prof. Anna Scaife | 01/01/2015 – 28/07/2016 Position: Research Student (PhD) |
| University of Southampton, Southampton, UK 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

Le informazioni contenute nel presente “curriculum vitae et studiorum” sono rese sotto la personale responsabilità del sottoscritto, ai sensi degli articoli 46 e 47 del Decreto del Presidente della Repubblica 28 dicembre 2000, numero 445, e successive modifiche e integrazioni, consapevole della responsabilità penale prevista dall’articolo 76 del medesimo Decreto per le ipotesi di falsità in atti e/o dichiarazioni mendaci

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The information contained in this “curriculum vitae et studiorum” is provided under the personal responsibility of the undersigned, pursuant to articles 46 and 47 of the Decree of the President of the Republic of 28 December 2000, number 445, and subsequent amendments and additions, aware of the criminal liability provided for by article 76 of the same Decree for cases of falsification of documents and/or false declarations