

DR. CHRISTOPHER JOHN RISELEY

PERSONAL DETAILS

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EDUCATION

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, 1st 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:	60	Source: SAO/NASA ADS (April 2024)	Source: Google Scholar (April 2024)
First Author Articles:	10	Total citations:	1806
Conference Proceedings:	2	First-author citations:	168
Source: SciVal (post-PhD: 2016–present)		<i>h</i> -index:	23
Field-weighted citation impact :	2.08	<i>g</i> -index:	41
International collaboration:	98.2%		
		<i>h</i> -index:	26
		<i>i10</i> -index:	45

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	ER051 (EVN+e-MERLIN), V582 (LBA)	25 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

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> ” (Funding awarded and later retracted due to complications with the ‘incarico di ricerca’)	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:** EAS 2024 (*invited*); 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

- 2024:** Annalisa Pagliotta, Masters student, Università di Bologna
2022: Keegan Trehaeven, Masters student, Rhodes University (*visiting at the Università di Bologna*)
2021 – 2024: Giada Pignataro, PhD student, Università di Bologna (*co-supervision*)
2021: Giulia Lusetti, Masters student, Università di Bologna (*co-supervision*)
2019 – 2022: Nadia Biava, PhD student, Università di Bologna (*co-supervision*)
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

- 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

- Telescope Experience:** MeerKAT, MWA, ATCA, ASKAP, GMRT, LOFAR, VLA, KAT-7, AMI
Software (astronomy): DDFacet, killMS, CASA, *MIRIAD*, AIPS, WSclean
Software (general): slurm, Python, L^AT_EX, Shell, HTML
Languages: English (native), Italian (advanced), French (advanced), German (advanced)

EMPLOYMENT HISTORY

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|---|--|
| Università di Bologna , Dipartimento di Fisica e Astronomia
Supervisor: A/Prof. Annalisa Bonafede | 01/10/2022 – 30/09/2024
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

- A/Prof. Annalisa Bonafede Dipartimento di Fisica e Astronomia,
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E-mail: annalisa.bonafede@unibo.it
- Dr. George Heald CSIRO Space & Astronomy, PO Box 1130, Bentley Delivery Centre, WA 6983, Australia.
E-mail: george.heald@csiro.au
- Prof. Anna Scaife Jodrell Bank Centre for Astrophysics, School of Physics & Astronomy, Oxford Road,
Manchester, M13 9PL, UK.
E-mail: 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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