



# PIYUSH SHARDA

Oort Fellow & IAU TGF Fellow

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Date of Birth: June 05, 1994

## EMPLOYMENT

**Oort Fellow and IAU TGF Fellow**  
Leiden University

Oct. 2022 –  
Leiden, Netherlands

## EDUCATION & RESEARCH EXPERIENCE

**Doctor of Philosophy** | *Astronomy & Astrophysics*

Australian National University (ANU)

Title: *The role of metals from molecular clouds to galactic discs*

Advisor: Mark Krumholz

Oct. 2018 – Mar 2022  
Canberra, Australia

**Master of Science (Hons.)** | *Physics* [Distinction]

Birla Institute of Technology & Science (BITS)

Aug. 2013 – Jun 2018  
Pilani, India

**Postgraduate Research Student** | *Astronomy*

University of Exeter (joint with BITS)

Jan. 2018 – Jun 2018  
Exeter, UK

**Undergraduate Research Student** | *Astronomy*

Australian National University (joint with BITS)

Sep. 2017 – Dec 2017  
Canberra, Australia

**Bachelor of Engineering (Hons.)** | *Electrical & Electronics* [Distinction]

Birla Institute of Technology & Science (BITS)

Aug. 2013 – Jun 2018  
Pilani, India

## HONORS & AWARDS

ASA Charlene Heisler Prize for outstanding PhD in astronomy in Australia (A\$1000)

Jun 2023

International Astronomical Union (IAU) Division H PhD Prize

Jun 2023

IAU – Gruber Foundation TGF Fellowship (\$25000)

May 2022

Australian Academy of Science SIEF Fellowship – Lindau Nobel Laureates Meeting (A\$9000)

Apr 2022

Leiden University Oort Fellowship (€426,000)

Jan 2022

ASTRO3D Excellence Award for most papers led by an ECR in Australia

Dec 2021

ANU Olin J Eggen Research Award for excellence in research (A\$2500)

Nov 2020

ANU RSAA Best Research Paper Award (A\$500)

Jul 2020

ANU Vice-Chancellor's Award for Impact and Engagement [Team Award]

Nov 2019

Australian Government Research Training Program Scholarship – International (A\$28000 p.a.)

Feb 2018

BITS Off-campus Thesis Scholarship (₹35000)

Jan 2018

University of Exeter UK Tier 5 Sponsorship (£7500)

Jan 2018

BITS Alumni Association Summer Scholarship (\$ 2500)

Mar 2017

BITS Best Graduating Student in Physics Award

Jan 2017

## SUPERCOMPUTING PROPOSALS

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| <b>Italian National Supercomputing Facility (CINECA): Co Investigator</b><br>High-resolution investigation of late Population III star formation [3.6 Million CPU hours] | Cycle 2025        |
| <b>Dutch National Supercomputing Facility (Snellius): Lead Chief Investigator</b><br>The formation of the first stars in the Universe [2 Million CPU hours]              | Cycles 2024, 2025 |
| <b>National Computational Infrastructure Australia (Gadi): Chief Investigator</b><br>Star formation in a turbulent interstellar medium [3.7 Million CPU hours]           | Cycles 2023, 2024 |
| <b>Pawsey Australia (Setonix GPU): Chief Investigator</b><br>Star formation in a turbulent interstellar medium [17.6 Million CPU hours]                                  | Cycles 2023, 2024 |
| <b>Texas Advanced Computing Centre USA (Frontera): Co-Principal Investigator</b><br>Star formation in a turbulent interstellar medium [575,000 CPU node hours]           | Cycle 2024        |
| <b>Oak Ridge National Lab USA (Summit+): Co Investigator</b><br>Star formation in a turbulent interstellar medium [115,000 CPU node hours]                               | Cycle 2024        |

## OBSERVING PROPOSALS

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|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| <b>Atacama Large Millimeter Array: Co-I</b><br>Tracing multiphase ISM in a massive galaxy at $z = 7.3$ [20 hours, submitted]                  | Cycle 12 (2025)  |
| <b>Issac Newton Group / WEAVE: Co-I</b><br>WEAVE-ing the Chemical Story of Local Dwarf Starbursts [23 hours]                                  | Cycle 25B (2025) |
| <b>James Webb Space Telescope GO: Co-I</b><br>Spectroscopy of quiescent galaxies at $z \sim 0.7$ : A direct measurement of the IMF [30 hours] | Cycle 3 (2024)   |
| <b>Atacama Large Millimeter Array: Co-I</b><br>Multi- $J$ CO survey of LMC SNRs [11 hours]                                                    | Cycle 8 (2021)   |
| <b>Chandra X-ray Observatory: Co-I</b><br>Measuring The Expansion of the LMC SNR N132D in X-rays [100 ks]                                     | Cycle 23 (2021)  |
| <b>Chandra X-ray Observatory: Co-I</b><br>Legacy Survey to Map Fe Emission in the LMC SNR N132D   <i>Chandra Large Program</i> [1000 ks]      | Cycle 20 (2019)  |
| <b>Very Large Telescope / Multi Unit Spectroscopic Explorer: Co-I</b><br>The MAGPI Survey   <i>MUSE Large Program</i> [224 hours]             | P 106 (2019)     |

## SUPERVISION

|                                                    |                                                |
|----------------------------------------------------|------------------------------------------------|
| <b>Songlin Li</b><br>Co-supervisor                 | PhD Student, ANU (2022 – )                     |
| <b>Suzanne van Elten</b><br>Primary supervisor     | M.Sc. Student, Leiden University (2025 – )     |
| <b>Kristian J. Melecio</b><br>Primary supervisor   | M.Sc. Student, Leiden University (2025 – )     |
| <b>Eloy van de Genugten</b><br>Primary supervisor  | M.Sc. Student, Leiden University (2025 – )     |
| <b>Lisanne van Veenen</b><br>Primary supervisor    | M.Sc. Student, Leiden University (2024 – 2025) |
| <b>María Fernandez Pinar</b><br>Primary supervisor | M.Sc. Student, Leiden University (2023)        |
| <b>Minh Ngoc Lê</b><br>Primary supervisor          | LEAPS summer student, Leiden University (2023) |
| <b>Lehan Li</b><br>Co-supervisor                   | M.A. Student, University of Cambridge (2023)   |

## SKILLS

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**Programming:** Python, Fortran, IDL, Mathematica, C++

**Codes & Softwares:** FLASH\*, Microphysics\*+, Quokka\*+, KROME, GIZMO, AMReX+, GPUAstroChem\*+, SLUG, Despotic, Xspec, SDTrimSP, LZIFU, radmc3D

\*core developer, +GPU-enabled code

## PROFESSIONAL SERVICE & COMMUNITY INVOLVEMENT

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|                                                                                                                                                                                                |                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <b>Grant Reviewer</b><br>Expert reviewer for Polish NSC (equivalent to Australian ARC or Dutch NWO)                                                                                            | Feb 2023 – present  |
| <b>Journal Reviewer</b><br>Reviewed manuscripts for Nature, Nature Astronomy, MNRAS, ApJ, A&A, OJA                                                                                             | Mar 2021 – present  |
| <b>Postdoc Representative – Leiden Observatory</b><br>Representing 50 postdoctoral fellows within the Observatory executive                                                                    | Mar 2023 – Mar 2024 |
| <b>Chair – LEAPS summer internship program committee</b><br><a href="#">Leiden Observatory and ESA/ESTEC joint summer program</a>                                                              | Nov 2022 – Nov 2023 |
| <b>Student Ambassador – ANU College of Science</b><br>Founding Member of the <a href="#">ANU Future Research Talent Program</a>                                                                | Mar 2019 – Mar 2021 |
| <b>Student Representative – RSAA ANU PhD Selection Committee</b><br>Reviewed PhD applications, interviewed and ranked shortlisted candidates                                                   | Jan 2021 – Jan 2022 |
| <b>Student representative – RSAA ANU Cultural Reform Committee</b><br>Drafted documents detailing RSAA <a href="#">values</a> , <a href="#">behavior</a> and <a href="#">breaches policies</a> | Aug 2020 – Mar 2021 |
| <b>ANU Mount Stromlo Outreach</b><br>Conducted Observatory tours, public lectures, stargazing, and public nights at Mt Stromlo                                                                 | Aug 2017 – Nov 2021 |
| <b>Founder – CB Das Award in Physics</b><br>Established the <a href="#">CB Das Award</a> for best graduating student in Physics at BITS                                                        | Jun 2018 – present  |
| <b>McNamara-Saunders Astronomical Teaching Telescope</b><br>Mentored high school students on astronomy projects as part of Science Mentors Canberra                                            | Mar 2019 – Dec 2020 |

## SEMINARS & COLLOQUIA (*invited in bold*)

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|                                                                                     |          |
|-------------------------------------------------------------------------------------|----------|
| 1. <b>Dept. of Astronomy, Durham University (Durham, UK)</b>                        | Apr 2025 |
| 2. Kavli Institute for Cosmology, University of Cambridge (Cambridge, UK)           | Apr 2025 |
| 3. <b>Max Planck Institute for Gravitational Physics (Potsdam, Germany)</b>         | Mar 2025 |
| 4. Max Planck Institute for Astrophysics, (Garching, Germany)                       | Mar 2025 |
| 5. <b>ASTRON (Dwingeloo, Netherlands)</b>                                           | Feb 2025 |
| 6. <b>Institute for Science and Technology (Vienna, Austria)</b>                    | Dec 2024 |
| 7. Department of Astronomy, University of Florence (Florence, Italy)                | Nov 2024 |
| 8. <b>Centre for Computational Astrophysics, Flatiron Institute (New York, USA)</b> | May 2024 |
| 9. <b>Dept of Astronomy, University of Wisconsin (Madison, USA)</b>                 | Apr 2024 |
| 10. Instituto de Astrofísica de Canarias (Tenerife, Spain)                          | Nov 2023 |
| 11. Kapteyn Astronomical Institute, Groningen University, (Groningen, Netherlands)  | Oct 2023 |
| 12. <b>Dept of Astronomy, University of Texas Austin (Austin, USA)</b>              | Aug 2023 |
| 13. Institute for Theory & Computation, CfA (Cambridge, USA)                        | Aug 2023 |
| 14. <b>Dept of Physics &amp; Astronomy, Uppsala University (Uppsala, Sweden)</b>    | Dec 2022 |
| 15. Leiden Observatory, Universiteit Leiden (Leiden, Netherlands)                   | Nov 2022 |
| 16. <b>Hypatia Colloquium, European Southern Observatory (Garching, Germany)</b>    | Jun 2022 |
| 17. <b>Astronomy Department, Yale University (New Haven, USA)</b>                   | Jan 2022 |
| 18. Astronomy Department, University of California San Diego (San Diego, USA)       | Jan 2022 |

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| 19. <b>Max Planck Institute for Astrophysics (Garching, Germany)</b>        | Dec 2021 |
| 20. Kavli Institute, Massachusetts Institute of Technology (Cambridge, USA) | Dec 2021 |
| 21. <b>CCAPP, Ohio State University (Columbus, USA)</b>                     | Nov 2021 |
| 22. Institute for Astronomy, University of Hawaii (Hawaii, USA)             | Nov 2021 |
| 23. Astronomy Department, University of California Davis (Davis, USA)       | Nov 2021 |
| 24. Institute for Theory & Computation, CfA (Cambridge, USA)                | Sep 2021 |
| 25. <b>Hebrew University of Jerusalem (Jerusalem, Israel)</b>               | Sep 2021 |
| 26. <b>Universidad de Concepción, Chile (Concepción, Chile)</b>             | Mar 2020 |
| 27. University of Exeter (Exeter, UK)                                       | May 2018 |

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FIRST AUTHOR REFEREED PUBLICATIONS [*h-index (first author) = 13*]

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1. [Magnetic fields limit the mass of Population III stars even before the onset of protostellar radiation feedback](#)  
Sharda, P., Menon, S. H., Gerasimov, R., Bromm, V., Burkhardt, B., Haemmerlé, L., van Veenen, L., and Wibking, B. D., [2025, \*MNRAS Letters\*, 541, 1](#)
2. [Population III star formation in the presence of turbulence, magnetic fields, and ionizing radiation feedback](#)  
Sharda, P., and Menon, S. H., [2025, \*MNRAS\*, 540, 1745](#)
3. [A path towards constraining the evolution of the interstellar medium and outflows in the Milky Way using APOGEE](#)  
Sharda, P., Ting, Y. S., and Frankel, N., [2024, \*MNRAS\*, 532, 1](#)
4. [The interplay between feedback, accretion, transport and winds in setting gas-phase metal distribution in galaxies](#)  
Sharda, P., Ginzburg, O., Krumholz, M. R., Forbes, J. C., Wisnioski, E., Mingozi, M., Zovaro, H. R. M., and Dekel, A., [2024, \*MNRAS\*, 528, 2232](#)
5. [The impact of carbon and oxygen abundances on the metal-poor initial mass function](#)  
Sharda, P., Amarsi, A. M., Grasha, K., Krumholz, M. R., Yong, D., Chiaki, G., Roy, A. and Nordlander, T., [2023, \*MNRAS\*, 518, 3985](#)
6. [First extragalactic measurement of the turbulence driving parameter: ALMA observations of the star-forming region N159E in the Large Magellanic Cloud](#)  
Sharda, P., Menon, S. H., Federrath, C., Krumholz, M. R., Beattie, J. R., Jameson, K. E., Tokuda, K., Burkhardt, B., Crocker, R. M., Law, C. J., Seta, A., Gaetz, T. J., Pingel, N. M., Seitzzahl, I. R., Sano, H., and Fukui, Y., [2022, \*MNRAS\*, 509, 2180](#)
7. [When did the initial mass function become bottom-heavy?](#)  
Sharda, P., and Krumholz, M. R., [2022, \*MNRAS\*, 509, 1959](#)
8. [Magnetic field amplification in accretion discs around the first stars: implications for the primordial IMF](#)  
Sharda, P., Federrath, C., Krumholz, M. R., and Schleicher, D. R. G., [2021, \*MNRAS\*, 503, 2014](#)
9. [The role of gas kinematics in setting metallicity gradients at high redshift](#)  
Sharda, P., Wisnioski, E., Krumholz, M. R., and Federrath, C., [2021, \*MNRAS\*, 506, 1295](#)
10. [On the origin of the mass-metallicity gradient relation in the local Universe](#)  
Sharda, P., Krumholz, M. R., Wisnioski, E., Acharyya, A., Forbes, J. C., and Federrath, C., [2021, \*MNRAS\*, 504, 53](#)
11. [The physics of gas phase metallicity gradients in galaxies](#)  
Sharda, P., Krumholz, M. R., Wisnioski, E., Forbes, J. C., Federrath, C., and Acharyya, A., [2021, \*MNRAS\*, 502, 5935](#)

12. [The importance of magnetic fields for the initial mass function of the first stars](#)  
Sharda, P., Federrath, C., and Krumholz, M. R., 2020, *MNRAS*, 497, 336
13. [Spatially resolved \*Chandra\* spectroscopy of the Large Magellanic Cloud supernova remnant N132D](#)  
Sharda, P., Gaetz, T. J., Kashyap, V. L., and Plucinsky, P. P., 2020, *ApJ*, 894, 145
14. [The role of the  \$H\_2\$  adiabatic index in the formation of the first stars](#)  
Sharda, P., Krumholz, M. R., and Federrath, C., 2019, *MNRAS*, 490, 513
15. [Testing star formation laws on spatially resolved regions in a  \$z \approx 4.3\$  starburst galaxy](#)  
Sharda, P., da Cunha, E., Federrath, C., Wisnioski, E., Di Teodoro, E. M., Tadaki, K., Yun, M. S., Aretxaga, I., and Kawabe, R., 2019, *MNRAS*, 487, 4305
16. [Testing star formation laws in a starburst galaxy at redshift 3 resolved with ALMA](#)  
Sharda, P., Federrath, C., da Cunha, E., Swinbank, A. M., and Dye, S., 2018, *MNRAS*, 477, 4380

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#### REFEREED PUBLICATIONS [major contributions]

1. [Microphysics: A set of microphysics routines for astrophysical simulation codes based on the AMReX library](#)  
AMReX-Astro Microphysics Development Team, Bishop, A., Fields, C. E., Chen, Z., Harpole, A., Jacobs, A. M., Johnson, E., Katz, M., Li, X., Malone, C., Sharda, P., Timmes, F., Wibking, B., Willcox, D., and Zingale, M., 2025, *Journal of Open Source Software*, submitted
2. [Does the HCN/CO ratio gas trace fraction of gravitationally-bound gas?](#)  
Bemis, A. R., Wilson, C. D., Sharda, P., and Roberts, I. D., *A&A*, 692, A146
3. [ALMA CO observations of gamma-ray supernova remnant N132D in the Large Magellanic Cloud: possible evidence for shocked molecular clouds illuminated by cosmic-ray protons](#)  
Sano, H., Plucinsky, P. P., Bamba, A., Sharda, P., Filipović, M. D., Law, C. J., Alsaberi, R. Z. E., Yamane, Y., Tokuda, K., Acero, F., Sasaki, M., Vink, J., Inoue, T., Inutsuka, S., Shimoda, J., Tsuge, K., Fujii, K., Voisin, F., Maxted, N., Rowell, G., Onishi, T., Kawamura, A., Mizuno, N., Yamamoto, H., Tachihara, K., and Fukui, Y., 2020, *ApJ*, 902, 53
4. [Transition elements in supernova pre-solar grains](#)  
Marhas, K. K., and Sharda, P., 2018, *ApJ*, 853, 12
5. [Offset fed slot antenna for broadband operation](#) [Peer-reviewed conference paper]  
Kumar, R., Sharda, P., and Kumar, A. P. V., 2018, *Mat Sci. & Engg.*, 331, 012022

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#### OTHER REFEREED PUBLICATIONS

1. [Chandra Large Project Observations of the Supernova Remnant N132D: Measuring the Expansion of the Forward Shock](#)  
Long, X., Plucinsky, P. P., Gaetz, T. J., Kashyap, V. L., Bamba, A., Blair, W. P., Castro, D., Foster, A. R., Law, C. J., Milisavljevic, D., Miller, E. D., Patnaude, D., Sasaki, M., Sano, H., Sharda, P., Williams, B. F., Williams, B. J., and Yamaguchi, H., 2025, *ApJ*, submitted
2. [The MAGPI survey: Evolution of radial trends in star formation activity across cosmic time](#)  
Mun, M., Wisnioski, E., Battisti, A., Mendel, J., Ellison, S., Taylor, E., Lagos, C. D. P., Harborne, K., Foster, C., Croom, S., Bellstedt, S., Barsanti, S., Gupta, A., Valenzuela, L., Chen, Q.-H., Grasha, K., Mukherjee, T., Park, H.-J., Sharda, P., Sweet, S., Remus, R.-S., and Zafar, T., 2024, *MNRAS*, 530, 5072
3. [The MAGPI survey: effects of spiral arms on different tracers of the interstellar medium and stellar populations at  \$z \approx 0.3\$](#)   
Chen, Q.-H., Grasha, K., Battisti, A. J., Wisnioski, E., Mendel, T., Sharda, P., Santucci, G., Li, Z., Foster, C., Mun, M., Park, H.-J., Tsukui, T., Sharma, G., Lagos, C. D. P., Barsanti, S., Valenzuela, L. M., Gupta, A., Thater, S., Jin, Y., and Kewley, L., 2024, *MNRAS*, 527, 2991

4. [ALMA Observations of Supernova Remnant N49 in the Large Magellanic Cloud. II. Non-LTE Analysis of Shock-heated Molecular Clouds](#)  
Sano, H., Yamane, Y., van Loon J. K., Furuya, K., Fukui, Y., Alsaberi, R. Z. E., Bamba, A., Enokiya, R., Filipović, M. D., Indebetouw, R., Inoue, T., Kawamura, A., Lakićević, M., Law, C. J., Mizuno, N., Murase, T., Onishi, T., Park, S., Plucinsky, P. P., Rho, J., Richards, A. M. S., Rowell, G., Sasaki, M., Seok, J., **Sharda, P.**, Staveley-Smith, L., Suzuki, H., Temim, T., Tokuda, K., Tsuge, K., Tachihara, K., [2023, \*ApJ\*, 958, 53](#)
5. [The MAGPI Survey: Drivers of kinematic asymmetries in the ionised gas of  \$z \sim 0.3\$  star-forming galaxies](#)  
Bagge, R. S., Foster, C., Battisti, A., Bellstedt, S., Mun, M., Harborne, K., Barsanti, S., Mendel, J. T., Brough, S., Croom, S. M., Lagos, C. D. P., Mukherjee, T., Peng, Y., **Sharda, P.**, Thater, S., Valenzuela, L. M., Wisnioski, E., Zafar, T., and Ziegler, B., [2023, \*PASA\*, 40, 60](#)
6. [The MAGPI Survey: Impact of environment on the total internal mass distribution of galaxies in the last 5 Gyr](#)  
Derkenne, C., McDermid, R. M., Poci, A., Mendel, J. T., D'Eugenio, F., Jeon, S., Remus, R.-S., Bellstedt, S., Battisti, A. J., Bland-Hawthorn, J., Ferré-Mateu, A., Foster, C., Lagos, C. D. P., Peng, Y., **Sharda, P.**, Sharma, G., Sweet, S., Tran, K.-V. H., Valenzuela, L. M., Vaughan, S., Wisnioski, E., and Yi, S. K., [2023, \*MNRAS\*, 522, 3602](#)
7. [The MAGPI survey: Science goals, observing strategy, results and theoretical framework](#)  
Foster, C.; Mendel, J. T., Lagos, C. D. P., Wisnioski, E., Yuan, T., D'Eugenio, F., Barone, T. M., Harborne, K. E., Vaughan, S. P., Schulze, F., Remus, R.-S., Gupta, A., Collacchioni, F., Khim, D. J., Taylor, P., Bassett, R., Croom, S. M., McDermid, R. M., Poci, A., Battisti, A. J., Bland-Hawthorn, J., Bellstedt, S., Colless, M., Davies, L. J. M., Derkenne, C., Driver, S., Ferré-Mateu, A., Fisher, D. B., Gjergo, E., Johnston, E. J., Khalid, A., Kobayashi, C., Oh, S., Peng, Y., Robotham, A. S. G., **Sharda, P.**, Sweet, S. M., Taylor, E. N., Tran, K.-V. H., Trayford, J. W., van de Sande, J., Yi, S. K., and Zanisi, L., [2021, \*PASA\*, 38, e031](#)

## CONFERENCES

|                                                                                                  |          |
|--------------------------------------------------------------------------------------------------|----------|
| 1. Numerical Recipes in Star Formation (Leiden, Netherlands) <b>[SOC chair]</b>                  | Jul 2025 |
| 2. Cosmic Frontiers Centre Inaugural Conference (Austin, USA)                                    | May 2025 |
| 3. Star Formation Across Cosmic Time (Pisa, Italy)                                               | Apr 2025 |
| 4. NOVA Network 2 Meeting (Leiden, Netherlands)                                                  | Feb 2025 |
| 5. Workshop on molecules and planets in the outer Galaxy (Florence, Italy) <b>[invited talk]</b> | Nov 2024 |
| 6. Annual Meeting of the German Astronomical Society (Cologne, Germany) <b>[invited talk]</b>    | Sep 2024 |
| 7. <b>IAU PhD Prize Talk</b> (Cape Town, South Africa)                                           | Aug 2024 |
| 8. First Stars VII (New York, USA)                                                               | May 2024 |
| 9. Gravitational waves & galactic chemical evolution (Lorentz Center) <b>[invited panelist]</b>  | May 2024 |
| 10. Recent developments in the IMF (Sesto, Italy) <b>[invited talk]</b>                          | Mar 2024 |
| 11. Leiden Observatory Science Day (Leiden, Netherlands) <b>[invited talk]</b>                   | Oct 2023 |
| 12. 2023 Santa Cruz Galaxy Formation Workshop (Santa Cruz, USA) <b>[invited talk]</b>            | Aug 2023 |
| 13. European Astronomical Society (EAS) 2023 (Kraków, Poland) <b>[3 talks]</b>                   | Jul 2023 |
| 14. <b>Charlene Heisler Prize Talk</b> , ASA 2023 (Sydney, Australia)                            | Jul 2023 |
| 15. Olympian Symposium (Paralia Katerini, Greece) <b>[long talk]</b>                             | Jun 2023 |
| 16. Annual Dutch Astronomy Conference (NAC 2023) (Leeuwarden, Netherlands)                       | May 2023 |
| 17. Meeting of ALMA Young Astronomers 2023 (Garching, Germany)                                   | Mar 2023 |
| 18. Early galaxy disc formation: JWST to Milky Way (Kuala Lumpur, Malaysia)                      | Feb 2023 |
| 19. ASTRO3D Annual Science Meeting (Canberra, Australia)                                         | Sep 2021 |
| 20. ASTRO3D Annual Science Meeting (Canberra, Australia)                                         | Sep 2021 |
| 21. UK National Astronomy Meeting (Bath, UK)                                                     | Jul 2021 |
| 22. Annual Meeting of the Astronomical Society of Australia (Canberra, Australia)                | Jul 2021 |
| 23. Chemical Abundances in Gaseous Nebulae (São José dos Campos, Brazil)                         | May 2021 |
| 24. ASTRO3D ECR Seminar Series (Canberra, Australia)                                             | May 2021 |
| 25. First Stars (ASTRO3D) Annual Science Meeting (Canberra, Australia)                           | Jun 2020 |

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| 26. 236 <sup>th</sup> Meeting of the American Astronomical Society (Washington D.C., USA) | Jun 2020 |
| 27. First Stars VI (Concepción, Chile)                                                    | Mar 2020 |
| 28. 2 <sup>nd</sup> Australia-ESO Conference (Perth, Australia)                           | Feb 2020 |
| 29. Galactic Archaeology with Metal-poor Stars (Geneva, Switzerland)                      | Sep 2019 |
| 30. ISSI Star Formation Workshop (Bern, Switzerland)                                      | Mar 2019 |
| 31. Australian National Institute for Theoretical Astrophysics (Melbourne, Australia)     | Feb 2019 |
| 32. European Week of Astronomy and Space Science (Liverpool, UK)                          | Apr 2018 |