# ADRIANO POCI

## PERSONAL INFORMATION

*Born in Australia*, 05 April 1993

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|---|---|
| *email* | adriano.poci@students.mq.edu.au |
| *ORCiD* | 0000-0002-5422-7441 |
| *webpage* | https://adriano-poci.github.io |
| *address* | Office 2.201, 7 Wally's Walk, Macquarie University |

## GOAL

To use my skills and knowledge acquired through university to continue to study the Universe as a full-time career.

## PUBLICATIONS

*Metrics*  Publications: 9 · Citations: 92 · $h-$index: 4 · NASA/ADS Link

*Lead*

A. Poci, R. M. McDermid, M. Lyubenova, L. Zhu, et al. "The Fornax3D Project: Assembly Histories of Lenticular Galaxies from a Combined Dynamical and Population Orbital Analysis". *Astronomy & Astrophysics* (Feb. 2021). ISSN: 0004-6361, 1432-0746. DOI: 10.1051/0004-6361/202039644

Adriano Poci, Richard M. McDermid, Ling Zhu, and Glenn van de Ven. "Combining Stellar Populations with Orbit-Superposition Dynamical Modelling: The Formation History of the Lenticular Galaxy NGC 3115". *Monthly Notices of the Royal Astronomical Society* 487.3 (Aug. 2019), pp. 3776–3796. ISSN: 0035-8711. DOI: 10.1093/mnras/stz1154

Adriano Poci, Michele Cappellari, and Richard M. McDermid. "Systematic Trends in Total Mass Profiles from Dynamical Models of Early-Type Galaxies". *Monthly Notices of the Royal Astronomical Society* 467.2 (May 2017), pp. 1397–1413. ISSN: 0035-8711. DOI: 10.1093/mnras/stx101

A. Poci, K. Kuehn, T. Abbott, F. B. Abdalla, et al. "DESAlert: Enabling Real-Time Transient Follow-Up with Dark Energy Survey Data". *Publications of the Astronomical Society of Australia* 33 (2016), e049. ISSN: 1323-3580, 1448-6083. DOI: 10.1017/pasa.2016.42

*Contributor*

C. Foster, J. T. Mendel, C. D. P. Lagos, E. Wisnioski, et al. "The MAGPI Survey – Science Goals, Design, Observing Strategy and Early Results". *arXiv:2011.13567 [astro-ph]* (Nov. 2020). arXiv: 2011.13567 [astro-ph]. URL: http://arxiv.org/abs/2011.13567

Jesse van de Sande, Sam P. Vaughan, Luca Cortese, Nicholas Scott, et al. "The SAMI Galaxy Survey: Towards an Optimal Classification of Galaxy Stellar Kinematics". *arXiv:2011.08199 [astro-ph]* (Nov. 2020). arXiv: 2011.08199 [astro-ph]. URL: http://arxiv.org/abs/2011.08199

Ling Zhu, Glenn van de Ven, Ryan Leaman, Robert J. J. Grand, et al. "Disentangling the Formation History of Galaxies via Population-Orbit Superposition: Method Validation". *Monthly Notices of the Royal Astronomical Society* 496.2 (Aug. 2020), pp. 1579–1597. ISSN: 0035-8711. DOI: 10.1093/mnras/staa1584

Sabine Bellstedt, Duncan A. Forbes, Aaron J. Romanowsky, Rhea-Silvia Remus, et al. "The SLUGGS Survey: A Comparison of Total-Mass Profiles of Early-Type Galaxies from Observations and Cosmological Simulations, to $\sim$4 Effective Radii". *Monthly Notices of the Royal Astronomical Society* 476.4 (June 2018), pp. 4543–4564. ISSN: 0035-8711. DOI: 10.1093/mnras/sty456

Nicola Pastorello, Duncan A. Forbes, Adriano Poci, Aaron J. Romanowsky, et al. "The SLUGGS Survey: A New Mask Design to Reconstruct the Stellar Populations and Kinematics of Both Inner and Outer Galaxy Regions". *Publications of the Astronomical Society of Australia* 33 (2016/ed). ISSN: 1323-3580, 1448-6083. DOI: 10.1017/pasa.2016.29

## EDUCATION

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|---|---|
| | *2015*      Macquarie University, Sydney |
| *Master of Research* | Grade: 82% · School: Astronomy and Astrophysics<br>Description: The second year of the Master of Research program is devoted entirely to research. I constructed dynamical models of galaxies to constraint the Initial Mass Function. This year involved international collaborations, conference attendance, and writing journal articles, in addition to the research and Thesis writing. |
| | *2014*      Macquarie University, Sydney |
| *Bachelor of Philosophy* | GPA: 3.750 (4-pt. scale) · School: Astronomy and Astrophysics<br>Description: As the first year of the Master of Research program, this course extended on the content of the Bachelor of Science, with emphasis on real-world physics and applications to real research. In addition, it dealt with more advanced content, including magnetohydrodynamics, Bell's Inequality, and thermodynamics. |
| | *2011–2013*      Macquarie University, Sydney |
| *Bachelor of Science* | GPA: 3.545 (4-pt. scale) · School: Astronomy and Astrophysics<br>Description: Extensively covered advanced topics in quantum physics, solid-state and particle physics, astronomy instrumentations, and astrophysical theories. I took additional non-compulsory mathematics courses. |
| | *2009-2010*      Bossley Park High School, Sydney |
| *Higher School Certificate* | ATAR: 89.35 (99.95-pt. scale) |

### ACADEMIC EXPERIENCE AND AWARDS

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| *Awards* | 2018 · European Southern Observatory (ESO) Studentship Programme |
| | 2014 · Australian Institute of Physics Prize for the Masters of Research Program in Physics |
| | 2014 · Invitation to join, and acceptance into, the Golden Key International Honour Society |
| | 2014 · Macquarie University Summer Vacation Scholarship |
| | 2013 · Macquarie University Summer Vacation Scholarship |
| *Research/External Experience* | 2019 · Scientific Assistant on the Observing Programmes Committee (OPC) at ESO |
| | 2019 · 12 months full-time research at ESO (Garching) |
| | 2018 · Working visit to ESO (Garching) |
| | 2018 · Working visit to MPIA (Heidelberg) |
| | 2017 · Participation in ASA IDEA Diversity in Astronomy Workshop |
| | 2017 · Working visit to MPIA (Heidelberg) and ESO (Garching) |
| | 2015 · Working visit to Oxford University |
| *Journal Referee* | 2017 onwards · MNRAS |
| *Invited Talks* | 2020 · Dynamical Reconstruction of Galaxies Lorentz Centre Workshop |
| | 2017 · MPIA Heidelberg Galaxy Coffee Seminar |
| | 2016 · The Universal Problem of the Non-Universal IMF Lorentz Centre Workshop |
| *Contributed Talks* | 2019 · Fornax3D Collaboration Meeting Heidelberg |
| | 2019 · ESO Wine and Cheese Seminar |
| | 2019 · Universitäts-Sternwarte München Computational Astrophysics Group Meeting |
| | 2019 · The Life and Death of Star-Forming Galaxies |
| | 2018 · Fornax3D Collaboration Meeting Padova |
| | 2018 · Astronomical Society of Australia's (ASA) Annual Scientific Meeting |

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| *Contributed Posters* | 2017 · Astronomical Society of Australia's (ASA) Annual Scientific Meeting |

## COMPUTER SKILLS

*Advanced*

- Physical Hardware builds
- BASH
- Microsoft WINDOWS and OFFICE
- PYTHON
- Exelis IDL

- Wolfram MATHEMATICA
- Mathworks MATLAB
- SQL
- Ventana Systems UK VENSIM
- QSUB and SLURM queue software

*Intermediate*

- LaTeX
- XML

- FORTRAN
- HTML

## OTHER INFORMATION

*Languages*

ENGLISH · Mothertongue

ITALIAN · Good

GERMAN · A.1.1

*Interests*

Drums · Music · Running · Football · Backyard Astronomy · Reading · Programming

March 21, 2021