

# ADRIANO POCI

## PERSONAL INFORMATION

*Born in Australia*, 05 April 1993

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## GOAL

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

## PUBLICATIONS

*Metrics* Publications: 6 · Citations: 67 · *h*-index: 3 · [NASA/ADS Link](#)

*Lead* 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](https://doi.org/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](https://doi.org/10.1093/mnras/stx101)

A. Poci, K. Kuehn, T. Abbott, F. B. Abdalla, et al. "DESAAlert: 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](https://doi.org/10.1017/pasa.2016.42)

*Contributor* 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* (2020). DOI: [10.1093/mnras/staa1584](https://doi.org/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](https://doi.org/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](https://doi.org/10.1017/pasa.2016.29)

## EDUCATION

2015 Macquarie University, Sydney

*Master of Research*

Grade: 82% · School: Astronomy and Astrophysics  
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

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

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

*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](#)

*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*

- L<sup>A</sup>T<sub>E</sub>X
- XML

- FORTRAN
- HTML

## OTHER INFORMATION

*Languages*

ENGLISH · Mothertongue  
ITALIAN · Good  
GERMAN · A.1.1

*Interests*

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

July 23, 2020