

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 ~ 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

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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 MPA (Heidelberg)

2017 · Participation in [ASA IDEA Diversity in Astronomy Workshop](#)

2017 · Working visit to MPA (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 · MPA 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

• PYTHON

• BASH

• Exelis IDL

• Microsoft WINDOWS and OFFICE

• Wolfram MATHEMATICA

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

Intermediate

- L^AT_EX
- XML
- FORTRAN
- HTML

OTHER INFORMATION

Languages

ENGLISH · Mothertongue
ITALIAN · Good
GERMAN · A.1.1

Interests

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

July 15, 2020