



Szymon Kozłowski

Résumé

Education

- 2022 **Professor**, *President of Poland*, Warsaw, Poland.
- 2014 **Habilitation**, *The University of Warsaw*, Warsaw, Poland.
- 2004–2007 **Ph.D.**, *The University of Manchester*, Manchester, United Kingdom.
- 1999–2004 **Master of Science**, *The University of Zielona Góra*, Zielona Góra, Poland.

Scientific Career

- 2022–present Professor of Astronomy at the Warsaw University Observatory, Poland
- 2014–2022 Assistant Professor of Astronomy at the Warsaw University Observatory, Poland
- 2010–present Team member of the Optical Gravitational Lensing Experiment (OGLE)
- 2010–2014 Postdoc at the Warsaw University Observatory, Poland
- 2007–2010 Postdoc at the Ohio State University, Ohio, USA
- 2005–2006 Visiting scientist to the Los Alamos National Laboratory, New Mexico, USA
- 2004–2007 Ph.D. student at Jodrell Bank Observatory, United Kingdom
- 1999–2005 M.Sc. student at the University of Zielona Góra, Poland

Habilitation Thesis

- Title *Quasars behind the Magellanic Clouds – new candidate selection methods and their quantification*

Ph.D. Thesis

- Title *Gravitational Microlensing in the Milky Way with the HST and OGLE-III*
- Supervisor Professor Shude Mao

Awards

- 2014 **Stefan Pieńkowski Award**, *The Division of Mathematics, Physics and Chemistry of the Polish Academy of Sciences*, (physics and astronomy).
- 2014 **Medal for a Young Scientist**, *Warsaw University of Technology*.
- 2011–2014 **Scholarship for outstanding young scientists**, *The Polish Ministry of Science and Higher Education*.

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Scientific Projects

The Magellanic Quasars Survey – Principal Investigator (subject: quasars)

OGLE – Co-Investigator (subject: microlensing, planets, transients, quasars)

Expertise

Quasar detection methods and variability, gravitational microlensing, extragalactic astrophysics, high-precision photometric and astrometric methods

Experience

Author and coauthor of 320+ refereed publications, cited over 12000 times, H-index=58.

Selected Publications

- **Kozłowski** 2021, A Survey Length for AGN Variability Studies, **Acta Astronomica**, 71, 103
- **Kozłowski**, Bañados, Udalski et al. 2019, Discovery of Two Quasars at $z = 5$ from the OGLE Survey, **The Astrophysical Journal**, 878, 115
- **Kozłowski** 2017, A Method to Measure the Unbiased Decorrelation Timescale of the AGN Variable Signal from Structure Functions, **The Astrophysical Journal**, 835, 250
- **Kozłowski** 2017, Virial Black Hole Mass Estimates for 280,000 AGNs from the SDSS Broadband Photometry and Single-epoch Spectra, **The Astrophysical Journal Supplement**, 228, 9
- **Kozłowski** 2017, Limitations on the recovery of the true AGN variability parameters using damped random walk modeling, **Astronomy & Astrophysics**, 597, A128
- **Kozłowski** 2016, Revisiting Stochastic Variability of AGNs with Structure Functions, **The Astrophysical Journal**, 826, 118
- **Kozłowski** 2016, A degeneracy in DRW modelling of AGN light curves, **MNRAS**, 459, 2787
- **Kozłowski**, Onken, Kochanek et al. 2013, The Magellanic Quasars Survey. III. Spectroscopic Confirmation of 758 Active Galactic Nuclei behind the Magellanic Clouds, **The Astrophysical Journal**, 775, 92
- **Kozłowski**, Kochanek, Stern et al. 2010, Mid-infrared Variability from the Spitzer Deep Wide-field Survey, **The Astrophysical Journal**, 716, 530
- **Kozłowski**, Kochanek, Udalski et al. 2010, Quantifying Quasar Variability as Part of a General Approach to Classifying Continuously Varying Sources, **The Astrophysical Journal**, 708, 927

Professional Refereeing

The Astrophysical Journal (ApJ), The Monthly Notices of the Royal Astronomical Society (MNRAS), Science, Acta Astronomica

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Observing

Las Campanas Observatory, Chile; Anglo-Australian Observatory, Australia

Time Allocations

- 2009–2013 11 nights on the 4m Anglo-Australian Telescope, Australia (as PI)
- 2014 89 hours on the Spitzer Space Telescope (as Col)
- 2008–2016 145 orbits on the Hubble Space Telescope (as Col)
- 2009 584ks on Chandra (as Col)

Conferences and Talks

Participant of 20+ international conferences and/or workshops.

Oral presentations on 13 international conferences and/or workshops.

Computer skills

- Intermediate python, C, tcsh, HTML, php, MySQL, L^AT_EX, OpenOffice, Linux
- Advanced Fortran 77

Languages

- Polish **Mothertongue**
- English **Fluent written and spoken**

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