Anowar J. Shajib

Contact Information

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Research Interests

Gravitational Lensing, Observational Cosmology

Education

University of California, Los Angeles, USA

Ph.D. Candidate, Astronomy, March 2017 (expected graduation date: June 2019)

- Dissertation Topic: "Shining light on the dark energy with time-delay cosmography"
- Advisor: Prof. Tommaso Treu

M.S., Astronomy, June 2016

- Advisor: Prof. Edward L. Wright

The University of Tokyo, Japan

B.S., Physics, March 2014

Honors and Awards

Graduate Student Travel Grant, *UCLA*, 2017, $2000

Astronomy Division Fellowship, University of California, Los Angeles, 2014-2015

MEXT[1] **Scholarship**, 2009-2014

Academic Experience

University of California, Los Angeles, USA

Graduate Student **October 2014 - present**

Includes current Ph.D. research, Ph.D. and Masters level coursework and research.

Guest Lecturer

- Physics 127 - General Relativity (Spring 2015)
- Astro 81 - Astronomy I: Stars and Nebulae (Winter 2016)

Teaching Assistant

- Astro 3 - Nature of Universe (Fall 2014)
- Physics 1C - Electrodynamics, Optics and Special Relativity (Winter 2015)
- Physics 127 - General Relativity (Spring 2015)
- Physics 6C - Physics for Life Sciences Majors: Light, Fluids, Thermodynamics, Modern Physics (Fall 2015)
- Astro 81 - Astrophysics I: Stars and Nebulae (Winter 2016)
- Astro 140 - Stellar Systems and Cosmology (Spring 2016)
- Physics 12 - Physics of Sustainable Energy (Winter 2017)

Publications

First Author Publications

Shajib, A.J. and E.L. Wright. Measurement of the integrated Sachs-Wolfe effect using the AllWISE data release. ApJ, 827:116, 2016.

[1] Ministry of Education, Culture, Sports, Science and Technology, Government of Japan

Shajib, A.J., Treu, T., and Agnello, A. Improving time-delay cosmography with spatially resolved kinematics. Monthly Notices of the Royal Astronomical Society, stx2302, 2017.

Contributing Author Publications

Williams, P. R., et al. Discovery of three strongly lensed quasars in the Sloan Digital Sky Survey. arxiv:1706.01506, 2017.

Ding, X., Treu, T., **Shajib, A. J.**, et al. Time Delay Lens Modeling Challenge: I. Experimental Design. arxiv:1801.01506, 2018.

Conference Presentations

Shajib, A. J., Treu, T., and Agnello, A. 2017. Improving time-delay cosmography with spatially resolved kinematics. Strong Lensing by Galaxies and Clusters, Aosta, Italy, 2017.

Approved Observing Proposals (CoI)

Keck-U053, PI: Treu. Dark energy with gravitational time-delay: OSIRIS spectroscopy of lensing galaxies.

Keck-U011, PI: Treu. Dark energy with gravitational time-delay: OSIRIS spectroscopy of lensing galaxies.

Observing Experience

OSIRIS, Keck I, 6 nights,
NIRC2, Keck II, 2 nights.

Data Analysis Experience

WISE, *WMAP*, *Planck*, SDSS, Keck (OSIRIS, NIRC2), *HST*.

Computer Skills

- Programming Languages: C, C++, Python, PHP, SQL.

Positions of Responsibility

Captain, The University of Tokyo Cricket Club, 2012-13
College prefect, Sylhet Cadet College, 2006-07