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

- Astronomy 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)
- Astronomy 81 - Astrophysics I: Stars and Nebulae (Winter 2016)
- Astronomy 140 - Stellar Systems and Cosmology (Spring 2016)
- Physics 12 - Physics of Sustainable Energy (Winter 2017)

PUBLICATIONS

First Author Publications

1. Shajib, A. J. and Wright, E. L. 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

2. Shajib, A. J., Treu, T., and Agnello, A. Improving time-delay cosmography with spatially resolved kinematics. MNRAS, 473, 210-226, 2018.

Contributing Author Publications

1. Williams, P. R., et al. Discovery of three strongly lensed quasars in the Sloan Digital Sky Survey. MNRAS: Letters, sly043, 2018.
2. Ding, X., Treu, T., **Shajib, A. J.**, et al. Time Delay Lens Modeling Challenge: I. Experimental Design. arxiv:1801.01506, 2018.

Conference Presentations

1. 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.
2. Shajib, A. J., Treu, T., and Agnello, A. 2018. Improving time-delay cosmography with spatially resolved kinematics in the ELT era. Shedding Light on the Dark Universe with Extremely Large Telescopes, UCLA, USA, 2018.

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: Python, C, C++, PHP, SQL.

Positions of Responsibility

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