

## Anowar J. Shajib

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### 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<sup>1</sup> 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**

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

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<sup>1</sup>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	<i>WISE</i> , <i>WMAP</i> , <i>Planck</i> , SDSS, Keck (OSIRIS, NIRC2), <i>HST</i> .
COMPUTER SKILLS	• Programming Languages: C, C++, Python, PHP, SQL.
POSITIONS OF RESPONSIBILITY	<b>Captain</b> , The University of Tokyo Cricket Club, 2012-13 <b>College prefect</b> , Sylhet Cadet College, 2006-07