

SAKHEE BHURE

SAKHEE.BHURE@USQ.EDU.AU | SAKHEE.SPACE

EDUCATION

UNIVERSITY OF SOUTHERN QUEENSLAND

PHD ASTROPHYSICS

JUL 2023 - PRESENT

FLORIDA INSTITUTE OF TECHNOLOGY

BS ASTRONOMY AND ASTROPHYSICS

AUG 2014 - MAY 2017

RESEARCH

Follow-up and Confirmation of Shallow Transits observed by *TESS* using *MINERVA-Australis*

DR R. WITTENMYER, DR. D. WRIGHT CENTER FOR ASTROPHYSICS, UNISQ

JUL 2023 - PRESENT

Statistical Validation of Exoplanet Candidates from the *K2* Mission Detected via a Fully Automated Pipeline

DR J. CHRISTIANSEN <CHRISTIA@IPAC.CALTECH.EDU> CALTECH/IPAC-NExSci

SEP 2020 - PRESENT

OBSERVING EXPERIENCE

MINERVA-AUSTRALIS PI: Sakhee Bhure

15+ NIGHTS

PALOMAR PHARO PI: Dr. J. Christiansen

1 NIGHT

SOAR GOODMAN SPECTROGRAPH PI: Dr. K. Hardegree-Ullman

1 NIGHT

PUBLICATIONS [ADS list](#) [ORCID](#)

[SCALING K2. VII.](#) EVIDENCE FOR A HIGH OCCURRENCE RATE OF HOT SUB-NEPTUNES AT INTERMEDIATE AGES . The Astronomical Journal, 166. Christiansen, J. L., Zink, J. K., Hardegree-Ullman, K. K., Fernandes, R. B., Hopkins, P. F., Rebull, L. M., Boley, K. M., Bergsten, G. J., **Bhure, S.**, et al. (2023)

[SCALING K2. VI.](#) REDUCED SMALL PLANET OCCURRENCE IN HIGH GALACTIC AMPLITUDE STARS. The Astronomical Journal, 165. Zink, J. K., Hardegree-Ullman, K. K., Christiansen, J. L., Petigura, E. A., Boley, K. M., **Bhure, S.**, et al. (2023)

[SCALING K2. V.](#) STATISTICAL VALIDATION OF 60 NEW EXOPLANETS FROM K2 CAMPAIGNS 2–18. The Astronomical Journal, 163. Christiansen, J. L., **Bhure S.**, Zink, J. K., Hardegree-Ullman, K. K. et al. (2022)

[SCALING K2. IV.](#) A UNIFORM PLANET SAMPLE FOR CAMPAIGNS 1–8 AND 10–18. The Astronomical Journal, 162. Zink, J.K., Hardegree-Ullman, K.K., Christiansen, J.L., **Bhure, S.**, Adkins, B.D., Petigura, E.A., Dressing, C.D., Crossfield, I.J., & Schlieder, J.E. (2021).

CONFERENCES AND WORKSHOPS

EXOPLANETS V

JUN 2024

Poster Presentation: PRECISION PHOTOMETRIC FOLLOW-UP OF HIGH-VALUE TESS TARGETS WITH MINERVA-AUSTRALIS

AEW 2023

SEP 2023

Oral Presentation: SCALING K2: VALIDATING KEPLER/K2 CANDIDATES USING VESPA

AAS 238 238th Meeting of the American Astronomical Society

JUN 2021

Oral Presentation: SCALING K2: VALIDATING KEPLER/K2 CANDIDATES USING VESPA

Press Presentation: [EXOPLANETS AND BROWN DWARFS II](#): SCALING K2: VALIDATING KEPLER/K2 CANDIDATES USING VESPA

49th Meeting of the Division of Planetary Sciences (**DPS 49**), Provo, Utah

OCT 2017

Poster Presentation: STUDIES OF DARK SPOTS AND THEIR COMPANION CLOUDS ON THE ICE GIANT PLANETS

48th Meeting of the Division of Planetary Sciences (**DPS 48**), Pasadena,

OCT 2016

Oral Presentation: INVESTIGATING NORMALIZED ARCHITECTURES OF MULTI-TRANSITING EXOPLANETARY SYSTEMS

National Radio Astronomy Observatory (**NRAO**) **COMMUNITY DAY WORKSHOP** FLORIDA INSTITUTE OF TECHNOLOGY

MAR 2015

CUWIP 2015 American Physical Society's 10th Annual Conference for Undergraduate Women in Physics

JAN 2015

UNIVERSITY OF MISSISSIPPI

PLEASE CONTINUE...

TEACHING

INSTRUCTOR

EDUCATION INITIATIVES, INDIA

SHOOTING FOR THE STARS: ASTRONOMY AND ASTROPHYSICS (grades 6-10, 22 students).

APR 2019 - JUL 2019

GRADUATE TEACHING ASSISTANT

DEPARTMENT OF PHYSICS AND SPACE SCIENCES, FLORIDA INSTITUTE OF TECHNOLOGY

PHY 2091: PHYSICS LABORATORY I (MECHANICS) (43 students).

AUG - DEC 2017

VOLUNTEER EDUCATOR

AKANKSHA FOUNDATION, PUNE

JUL 2019 - MAR 2020

WORK

SCIENCE WRITER (FREELANCE)

OFFICE FOR CLIMATE EDUCATION SORBONNE UNIVERSITÉ - INSTITUT PIERRE SIMON LAPLACE

APR 2022 - MAY 2022

THE WIRE, INDIA

JUN 2019 - FEB 2020

SCIENCE WRITER (FULL-TIME)

INTERN SCIENCE ACTIVITY CENTER (SAC) INDIAN INSTITUTE FOR SCIENCE EDUCATION AND RESEARCH (IISER), PUNE

FEB 2020 - JUL 2021

Science Writing, Pedagogy and Curriculum Development

SCIENCE WRITER (FREELANCE)

FLORIDA INSTITUTE OF TECHNOLOGY

RESIDENT ASSISTANT DEPARTMENT OF RESIDENCE LIFE

AUG 2015 - MAY 2018

RESIDENT ASSISTANT OF THE YEAR AWARD

2017-2018

PREVIOUS RESEARCH

DR. D. RAGOZZINE BRIGHAM YOUNG UNIVERSITY <DARIN_RAGOZZINE@BYU.EDU>

MAR - MAY 2020

Photodynamical Modeling Project

DEPARTMENT OF PHYSICS AND SPACE SCIENCES, FLORIDA INSTITUTE OF TECHNOLOGY

DR. CS. PALOTAI <CPALOTAI@FIT.EDU>

AUG - DEC 2017

Simulations of the Great White Spot on Neptune using the EPIC Model

DR. D. RAGOZZINE <DARIN_RAGOZZINE@BYU.EDU>

MAR 2015 - AUG 2018

Understanding Architectures of Exoplanet Systems with Normalized Planet Radii and Orbital Periods

DR. C. NEISH <CNEISH@UWO.CA>

AUG 2014 - MAY 2015

Processing of S- and P-band Radar Images obtained by the Lunar Reconnaissance Orbiter

NATIONAL CENTER FOR RADIO ASTROPHYSICS (NCRA), INDIA VISITING STUDENT RESEARCH PROGRAM

MAY - JUNE 2016

PUBLIC OUTREACH AND AMBASSADOR ACTIVITIES

UNITED STATES INDIA EDUCATION FOUNDATION (USIEF), EDUCATIONUSA, MUMBAI

2015, 2016, 2017, 2019, 2023

PANELIST: PRE-DEPARTURE ORIENTATION

US Visa Day, US CONSULATE, MUMBAI

JUN 9, 2016

Panelist at press interaction and Student Representative for Student Visa Day

227TH MEETING OF THE AMERICAN ASTRONOMICAL SOCIETY, KISSIMMEE, FLORIDA

JAN 2016

VOLUNTEER

FLORIDA INSTITUTE OF TECHNOLOGY

SOCIETY OF PHYSICS STUDENTS (SPS), MEMBER

FALL 2014 - SPRING 2017

STUDENT ASTRONOMICAL SOCIETY (SAS), MEMBER

FALL 2014 - SPRING 2017

STUDENT ASTRONOMICAL SOCIETY SECRETARY

OCTOBER 2014 - MARCH 2015

RESIDENCE HALL ASSOCIATION ROBERTS HALL

SEP 2014 - MAY 2015

AWARDS

DEAN'S LIST

EVERY SEMESTER FROM FALL 2014 - SPRING 2017

OUTSTANDING JUNIOR OF THE YEAR IN PHYSICS AND SPACE SCIENCES

2015-2016

DISTINGUISHED STUDENT SCHOLAR

2015-2016

OUTSTANDING SOPHOMORE OF THE YEAR IN PHYSICS AND SPACE SCIENCES

2014-2015