

SAKHEE BHURE

SBHURE2013@MY.FIT.EDU | SAKHEE.SPACE | @SAKHEEBHURE

FLORIDA INSTITUTE OF TECHNOLOGY

BS ASTRONOMY AND ASTROPHYSICS *magna cum laude*

August 2014 - May 2017

RESEARCH

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

OCT 2020 - PRESENT

Statistical Validation of Exoplanet Candidates from the K2 Mission Detected by the EDI-Vetter pipeline

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

MARCH - AUGUST 2020

Photodynamical Modeling Project

DEPARTMENT OF PHYSICS AND SPACE SCIENCES, FLORIDA INSTITUTE OF TECHNOLOGY

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

AUGUST - DECEMBER 2017

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

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

MARCH 2015 - AUGUST 2018

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

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

AUGUST 2014 - MAY 2015

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

INTERNSHIP NATIONAL CENTER FOR RADIO ASTROPHYSICS (NCRA), INDIA

MAY - JUNE 2016

Searching for redshifted H21cm Absorption by Measuring the Spin Temperatures of two Damped Lyman- α Absorbers using GMRT data

COMPUTATIONAL SKILLS Python (3 years), Julia (2 years), C++ (1 year), and LaTeX (6 years)

OBSERVING EXPERIENCE

Palomar PHARO

1 NIGHT

SOAR Goodman Spectrograph

1 NIGHT

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

(accepted) Christiansen, J. L., **Bhure S.**, Zink, J. K., Hardegree-Ullman, K. K. et al. SCALING K2. V. STATISTICAL VALIDATION OF 60 NEW EXOPLANETS FROM K2 CAMPAIGNS 2–18.

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). SCALING K2. IV. A UNIFORM PLANET SAMPLE FOR CAMPAIGNS 1–8 AND 10–18. The Astronomical Journal, 162.

CONFERENCES AND WORKSHOPS

AAS 238 238th Meeting of the American Astronomical Society

JUNE 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

OCTOBER 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, California

OCTOBER 2016

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

National Radio Astronomy Observatory (**NRAO**) **COMMUNITY DAY WORKSHOP**

MARCH 2015

FLORIDA INSTITUTE OF TECHNOLOGY

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

JANUARY 2015

UNIVERSITY OF MISSISSIPPI

TEACHING

INSTRUCTOR

EDUCATION INITIATIVES, INDIA

DECEMBER 2018 - JUNE 2019

developed and taught a three-week, hands-on Astronomy course to grade 6–10 students

GRADUATE TEACHING ASSISTANT

DEPARTMENT OF PHYSICS AND SPACE SCIENCES, FLORIDA INSTITUTE OF TECHNOLOGY

AUGUST - DECEMBER 2017

taught two sections of PHY 2091: Physics Laboratory I (Mechanics)

TEACHING (VOLUNTEER WORK)

VOLUNTEER EDUCATOR [AKANKSHA FOUNDATION](#), PUNE

JULY 2019 - MARCH 2020

assisted with differentiated learning in grade 8 science and mathematics courses and developed community-building and waste-management projects at the PUJYA KASTURBA GANDHI ENGLISH MEDIUM SCHOOL, PUNE

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

WORK

INTERN SCIENCE ACTIVITY CENTER (SAC) INDIAN INSTITUTE FOR SCIENCE EDUCATION AND RESEARCH (IISER), PUNE	FEB 2020 - JULY 2021
Science Writing, Pedagogy and Curriculum Development	
SCIENCE WRITER (FREELANCE) THE WIRE, INDIA	JUNE 2019 - PRESENT
FLORIDA INSTITUTE OF TECHNOLOGY	
RESIDENT ASSISTANT DEPARTMENT OF RESIDENCE LIFE	AUGUST 2015 - MAY 2018
peer leader in the on-campus residence halls at Florida Institute of Technology. awarded the RESIDENT ASSISTANT OF THE YEAR AWARD for the year 2017-2018	
STUDENT BLOGGER OFFICE OF MARKETING & COMMUNICATIONS	AUGUST 2015 - DECEMBER 2016

PUBLIC OUTREACH AND AMBASSADOR ACTIVITIES

UNITED STATES INDIA EDUCATION FOUNDATION (USIEF) , EDUCATIONUSA, MUMBAI	SUMMER 2015, 2016, 2017, 2019
Panelist: Pre-Departure Orientation	
US Visa Day, US CONSULATE, MUMBAI	JUNE 9, 2016
Panelist at press interaction and Student Representative for Student Visa Day	
227TH MEETING OF THE AMERICAN ASTRONOMICAL SOCIETY , KISSIMMEE, FLORIDA	JANUARY 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