

Sakhee Bhure
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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 *H*21cm 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)

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

(submitted) 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

238th Meeting of the American Astronomical Society (**AAS 238**) 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

Introduction to Radio Astronomy, Interferometry, Preparing Research Proposals for Atacama Large Millimeter/Submillimeter Array (ALMA) Cycle 3, Reducing ALMA data, Florida Institute of Technology

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

University of Mississippi

January 2015

OBSERVING EXPERIENCE

Palomar PHARO

1 night

SOAR Goodman Spectrograph

1 night

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)

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

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.

WORK

Intern

February 2020 - July 2021

Science Activity Center (SAC) Indian Institute for Science Education and Research (IISER), Pune

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

Panelist: Pre-Departure Orientation

June 2015, 2016, 2017, 2019

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