

Subhayu Bagchi

CONTACT INFORMATION	204 Lewis Hall University of Mississippi University, MS 38677-1848 USA	sbagchi@go.olemiss.edu 1-662-801-3287
EDUCATION	Ph.D., Physics , University of Mississippi Dissertation Advisor: Prof. Leo C. Stein Dissertation Title: <i>Numerical Simulations beyond General Relativity (tentative)</i> M.S., Physics , Indian Institute of Science Education and Research, Kolkata Thesis Advisor: Prof Soumitro Banerjee Dissertation Title: Nonlinear Dynamics of Geodesics in Kerr spacetime B.Tech., Electronics and Comm. Engg. , W.B. University of Technology Senior Thesis Title: Improved Sampling methods in Voice Recognition Algorithms	in progress June 2019 June 2015
EMPLOYMENT	Liberal Arts Graduate Scholar , UM, Oxford, MS USA Graduate Research Assistant , UM, Oxford, MS USA Graduate Teaching Assistant , UM, Oxford, MS USA Graduate Teaching Assistant , IISER, Kolkata, India Summer Research Fellow , UM, Oxford, MS USA	Fall 2019 – Spring 2024 Fall 2025 – Present Fall 2024 – Spring 2025 Fall 2017 – Fall 2018 May – July 2024/2025
RESEARCH INTERESTS	General relativity (GR), gravitation	
HONORS AND AWARDS	Liberal Arts Graduate Scholar , College of Liberal Arts, University of Mississippi, Academic Excellence Fellowship , University of Mississippi, Graduate Student Academic Fellowship , IISER Kolkata, Excellence in Community Engagement Award, with Distinction , Division of Access, Opportunity and Community Engagement, University of Mississippi,	2019 – 2024 2019 – 2023 2015 – 2019 2025

Excellence in Community Engagement Developement Award,
 Division of Diversity and Community Engagement,
 Univeristy of Mississippi,

2024

TEACHING
EXPERIENCE

Teaching Assistant, University of Mississippi

Astr. 103, Intro Astronomy of Solar System

Spring 2025

Phys. 722, Graduate Electromagnetism II

Fall 2024

Phys. 224, General Physics II

Spring 2020

Phys. 223, General Phsyics I

Fall 2019

Teaching Assistant, IISER Kolkata

Ph. 3102, Intermediate Quantum Mechanics

Fall 2018

Ph. 3202, Intermediate Electricity and Magnetism

Spring 2018

Ph. 3204, Electronics Laboratoy

Fall 2017

Ph. 2202, Thermal Physics

Springs 2017

PROFESSIONAL
ACTIVITIES,
OUTREACH, AND
SERVICE

LISA Consortium, Full member

2023 – Present

Simulating eXtreme Spacetimes collaboration

2019 – Present

American Physical Society, member

2019 – Present

Division of Gravitational Physics

Conference organizer

11th Gulf Coast Gravity Meeting (GCGM), UMiss

April 2025

Two day conference, ~ 50 participants

Seminar organizer

Gravity Group seminar, University of Mississippi,

Fall 2020 – Spring 2022

Journal Club, Dept of Physics and Astronomy, UM

Fall 2020 – Spring 2022

Outreach

COMPUTER SKILLS **Software—**

REFERENCES