

# Research, Informatics and Graduate Studies

<https://sites.gtiit.edu.cn/research/positions/gs-2023007/>

## PhD Positions in Cosmology and Large-Scale Structure Studies (GS-2023007) – Group of Assoc. Prof. Prabhakar Tiwari

### Description

The Physics Program (group of Prabhakar Tiwari) is looking for 2 PhD students to conduct research in cosmology and large-scale structure studies. Contract duration: 3 + 1 years.

### Project Details

The Ph.D. students will primarily focus on investigating the large-scale structure through galaxy surveys, with a specific emphasis on the study of radio galaxy catalogs. Students will have the opportunity to collaborate directly with the LOFAR Cosmology Group and lead projects in the field of cosmological exploration using the upcoming data release from the LOFAR Two-metre Sky Survey (LoTSS). This offers a unique opportunity for students to actively engage in cutting-edge research with the support of leading experts in the field. Additionally, these positions offer active involvement in cosmology projects associated with the Square Kilometre Array (SKA) survey, allowing students to contribute to ground-breaking cosmological discoveries.

These positions provide an exciting opportunity to be part of a vibrant research community, collaborate with world-class researchers, and play a significant role in advancing our understanding of the cosmos.

### Keywords

Cosmology, large-scale structure of universe, cosmological principle, cosmology: observations, cosmology: theory, cosmological parameters, radio continuum: galaxies, galaxies: active, galaxies: statistics, galaxies: high-redshift, radio continuum surveys, radio catalogs.

### Selection Criteria

- Master's degree (or equivalent) in Physics or or a related field (essential)
- Strong interest in cosmology and large-scale structure studies (essential).
- Proficiency in data analysis, modeling, and programming (preferred).
- Excellent communication skills in English (essential).
- Ability to work independently as well as in a team environment (essential)
- Ability to author scientific reports and co-author scientific publications (essential)
- The PhD candidate must fulfill the requirements for admission to the Technion Graduate School and needs to comply with its regulations leading to the PhD degree: <https://graduate.technion.ac.il/en/prospective-students/>

### Application

- Application deadline: **ASAP**
- Send required documents electronically to: [prabhakar.tiwari@gtiit.edu.cn](mailto:prabhakar.tiwari@gtiit.edu.cn)

### Contact

Assoc. Prof. Prabhakar Tiwari

### Position

PhD

### Program

Physics

### Contact

Assoc. Prof. Prabhakar Tiwari

Email: [prabhakar.tiwari@gtiit.edu.cn](mailto:prabhakar.tiwari@gtiit.edu.cn)

[Web Page Link](#)

### Application Deadline

Open till filled

### Date posted

November 2, 2023

### Location

Guangdong Technion – Israel Institute of Technology (GTIIT), China & Technion-Israel Institute of Technology, Israel.

### Fees & Finance

[How to Apply](#)

Email: [prabhakar.tiwari@gtiit.edu.cn](mailto:prabhakar.tiwari@gtiit.edu.cn)

Web Page : <https://www.gtiit.edu.cn/en/viewStaff.aspx?staffNo=275>