

## Call for Papers

It is indeed a pleasure for us to invite you to submit your original and unpublished research outcome in the form of technical paper to present and publish in GSGS-2020. Authors are requested to submit only full papers (more than or equal to 4 pages) through e-mail to [gsgs@nitjsr.ac.in](mailto:gsgs@nitjsr.ac.in). For templates and author guidelines, please visit our website <https://sites.google.com/view/gsgs-2020>.

### Important Dates

|                                |            |
|--------------------------------|------------|
| Last Date for Paper Submission | 01-08-2020 |
| Notification of Acceptance     | 15-08-2020 |
| Full Length paper closes       | 20-08-2020 |
| Registration up to             | 25-08-2020 |

### Payment

All payments shall be done online towards Institute account. A/c No. 33117999641 Branch: SBIRIT, IFSC Code: SBIN0001882

### Registration

Delegates should complete the registration form and send soft copy by email along with transaction receipt to [gsgs@nitjsr.ac.in](mailto:gsgs@nitjsr.ac.in).

### Registration fees

| Category                    | Fees(INR) |
|-----------------------------|-----------|
| Students, Research Scholars | 500       |
| Academicians, Scientists    |           |
| Industry Delicates          |           |



(With Virtual Presentation)

### Main Theme

## Challenges in Geotechnical Engineering and Sustainable Solutions

### Subthemes

- Advanced characterization to study the behavior of geomaterials
- Shallow and Deep Foundations
- Slope Stability and Landslide Mitigation
- Developments in Ground Improvement
- Numerical and Physical Modelling
- Geosynthetics and Reinforced Soil Structures
- Dynamics of Soils and Foundations
- Tunnelling and Deep Excavations
- Energy Geotechnics
- Transportation Geotechnics
- Offshore Geotechnics
- Forensic Analyses in Geotechnical Engineering
- Unsaturated Soil Mechanics
- Utilization of Industrial By-products
- Instrumentation and Sensing Technics in Geotechnical Engineering
- Geoenvironmental Engineering

*Other Advanced Topics under Conference Theme.*



## National conference on GEO-SCIENCE AND GEO-STRUCTURES (GSGS-2020)

September 03-04, 2020

Sponsored by



Published by



Organized by  
**DEPARTMENT OF CIVIL ENGINEERING  
 NATIONAL INSTITUTE OF TECHNOLOGY JAMSHEDPUR  
 JAMSHEDPUR, JHARKHAND, INDIA**



Conference Organizing Secretary (s)  
 Dr. Awdhesh Kumar Choudhary, Dr. Somenath Mondal, and  
 Dr. Subhadeep Metya  
<https://sites.google.com/view/gsgs-2020>

## About NIT Jamshedpur

National Institute of Technology Jamshedpur is an Institution of National Importance, by an Act of Parliament (Act 29 of 2007) namely, the National Institutes of Technology Act, 2007, which received the assent of the President of India on the 5th June, 2007. This was formerly known as Regional Institute of Technology (RIT) Jamshedpur and was established on 15th August 1960 with the aim of nurturing young engineers for economic growth of the Nation. NIT Jamshedpur is situated in the western part of the city Jamshedpur. The flowing river Kharkai and picturesque backdrop of low hills on one side, and large tracts of forest on the other side, make the 341.3 acres of hilly campus an ideal place for higher learning and research.

The Institute offers B. Tech (Hons.), M. Tech, MSc, MCA and PhD degrees in 12 departments including engineering, science and humanities. NIT Jamshedpur consists of 200 faculty members, 4000 students and 150 administrative and supporting staffs. Moreover, the institute is growing with NBA accreditation for three UG courses and research projects from TEQIP –III and DST.

## About Conference

Expeditious Industrialization, aggressive urbanization and population explosion during the last couple of decades have led to exploitation of natural resources. Consequently, it has been almost impossible for the Civil Engineers to find out “good soil” to erect structures onto it. Engineers and practitioners start modifying and reinforcing the “weak soil” in to suitable one in order meet the demand of civilization. Moreover, the socio-economic scenario in the country strongly endorse manifestation of sustainable practice while improving the strength of the geomaterials. This has posed critical challenges to Geo-Science and Geotechnical Engineering. On the other hand, rate of generation of solid waste and industrial by products has become menace to the progress of civilization. Researchers and engineers have been putting enormous effort to convert wastes into value added products or to generate energy out of waste, which seems to be the only panacea to such issues.

In those context, NIT Jamshedpur through GSGS-2020 will provide a virtual platform to bring many renowned speakers, researchers, college students, specialists, and academicians in a forum to describe and share all the real challenges and issues faced, and the novel ideas and significant research outcomes in order to mitigate those challenges. Further, this would eventually help in developing future collaborations with several reputed institutes as well as industries.

## Venue:

Department of Civil Engineering, National Institute of Technology Jamshedpur, Jamshedpur, Jharkhand – 831014

## How to reach the Institute:

NIT Jamshedpur is well connected by Rail and Bus. The Campus is about 8.5 km from Tatanagar railway station.



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## Registration Form

**National Conference on “Geo-Science and Geo-Structures”  
(GSGS 2020)**

03-04 September 2020

**Sponsored by TEQIP-III**

(Photo copies/Soft copies can also be used or download from [www.nitjsr.ac.in](http://www.nitjsr.ac.in))

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