



SWARM 2020



TEQIP



International Conference on Sustainable Water Resources Management SWARM 2020

19-21 June 2020

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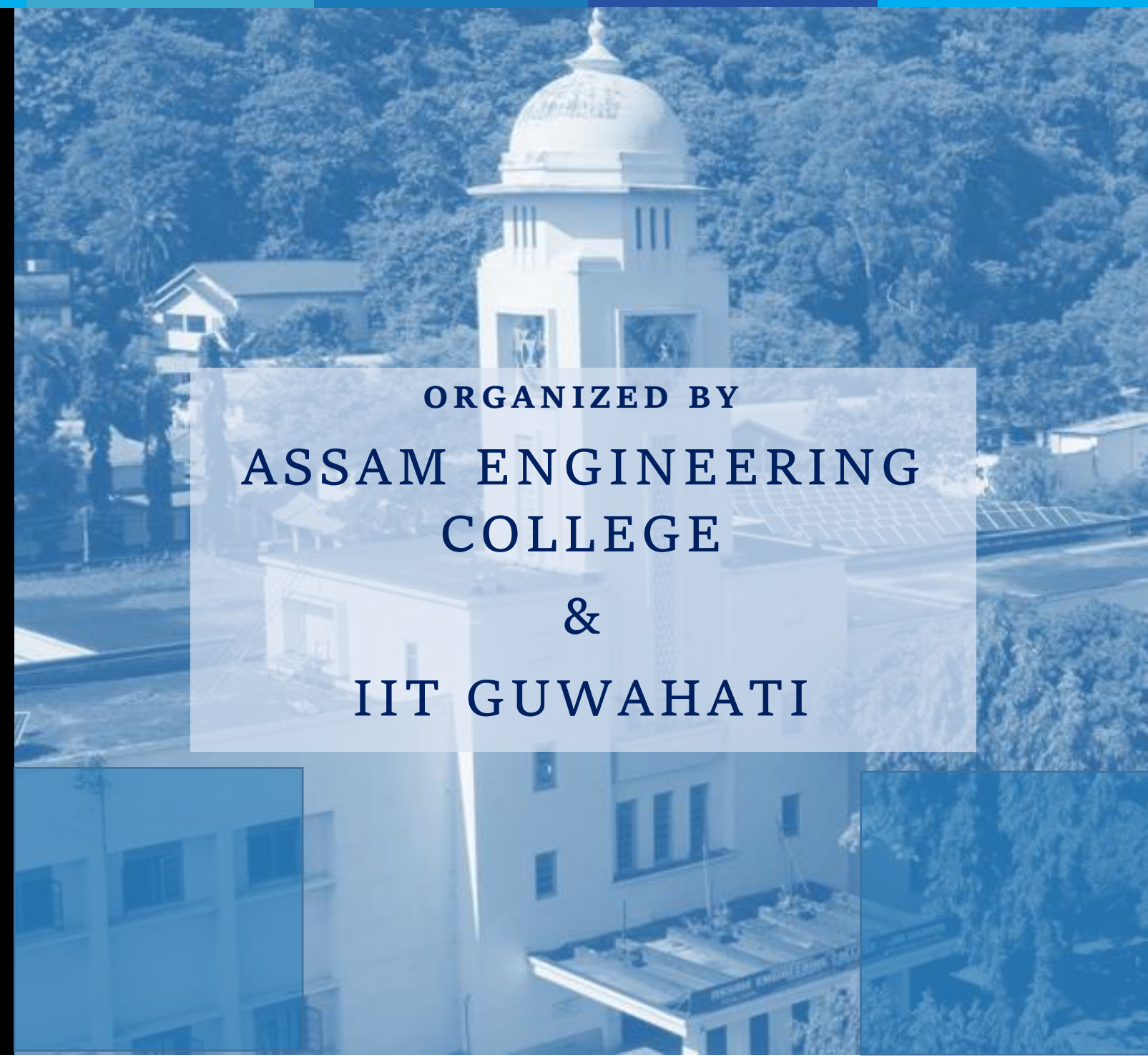
Prof. Atul Bora, Principal, Assam Engineering College, Guwahati

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ORGANIZED BY
ASSAM ENGINEERING
COLLEGE
&
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REGISTRATION DETAILS

<http://event.iitg.ac.in/swarm/swarm2020.htm>

KEY DATES

Submission of Full-Length Paper: 15th March, 2020
Notification of Acceptance of Paper: 31st March, 2020
Early Bird Registration Deadline: 15th April, 2020
Camera-ready Full-paper Submission: 15th April, 2020
Last date of Registration: 15th May, 2020

Link for paper submission:

<https://easychair.org/conferences/?conf=swarm2020>

- Selected papers will be considered for publication in the Springer Nature book series "**Advances in Sustainability Science and Technology**"
- Selected papers will be considered for publication in **SN Applied Sciences journal**, A Springer Nature Journal

CALL FOR PAPERS (For details click: <https://easychair.org/cfp/SWARM2020>)

The conference invites original contributions related to the following topics

- | | |
|---|---------------------------------------|
| • Water Management and Planning | • Water Quality and Pollution Control |
| • Urban Water Management | • Management of Transboundary Rivers |
| • Climate Change and Global Warming | • Hydrological Modeling |
| • Management of Groundwater and Aquifer Remediation | • Irrigation and Drainage Engineering |
| • Water Conservation | • Hydro Disaster Risk Management |

OVERVIEW

The rapid growth of the population on the earth's surface is forcing industrialization and urbanization. In developing countries, the process of urbanization is more often unplanned and disorganized, resulting in various hazards due to ecological imbalance. The rapid industrialization and urbanization, in turn, have also led to conversion of forest area to agricultural/urban area, filling up of low-lying areas to meet the resource need to support the increased population. Unprecedented natural calamities like devastating flood, riverbank erosion, surface erosion, and landslide can be regarded as manifestation of nature’s reaction to restore the balance. The increased emission of greenhouse gases due to industrialization and the continuation of unscientific agricultural practice in many parts of the world have led to climate change. Accelerated change in climate is expected to have a major impact on the future sustainability of the earth. On the other hand, the increase in population has reduced the per capita availability of water which resulted in unplanned exploitation of both surface water and groundwater. Due to overexploitation, groundwater has been depleted in many parts of the world. As a result, it becomes uneconomical to withdraw groundwater from aquifers. The overexploitation of groundwater may also contaminate the aquifer.

This conference, hence, is being organized to provide a platform for discussion among various relevant disciplines so that some meaningful, practical strategies can be evolved towards achieving the goal for sustainable management of water resources of the globe.

SCAN ME



OR

<http://event.iitg.ac.in/swarm/swarm2020.htm>



OBJECTIVES

- ❖ To identify the specific issues that need to be tackled for sustainable management of water. The challenges related to modeling and management of various aspects of water will be identified, and a goal will be set to resolve the issue within a specific time frame.
- ❖ To discuss the impact, resiliency, and risks arising from the hazard created by the extreme precipitation, flood including urban flooding, river and catchment erosion, the water quality of both surface water and groundwater, waterlogging and drought, dams, climate change, etc.
- ❖ To provide a platform for the academic, practicing, and industrial community to share the latest findings in their respective fields as well as to share the information about the difficulties faced by them in solving various water-related problems. The interaction between the academic and the practicing engineers will help in reducing the knowledge gap between the theoretical advances and practical applications, also help in understanding the problem faced by the industry. This conference will also provide a platform to exchange knowledge between the national and international researchers, which will certainly boost the academic and professional collaboration between the researchers.
- ❖ To foster participation and dialogue between various stakeholders, including governments, scientific and academic communities, in order to promote sustainable policies for water management, create awareness of water-related problems, motivate commitment at the highest level for their solution and thus promote better management of water resources at local, regional, national and international levels.



TARGET DELEGATES:

- ✓ Scientists and researchers
- ✓ Academicians
- ✓ Public and private sectors
- ✓ Policy makers and scientific advisers

Conference Venue: Assam Engineering College

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