



International Conference on Advances in Civil Engineering



ACE-2020

**An Event of Diamond Jubilee Celebration
November 5th – 7th, 2020**



**Organized by
Department of Civil Engineering
Visvesvaraya National Institute of Technology (VNIT), Nagpur
Maharashtra, INDIA - 440 010**

For more details visit our event webpage: <http://www.vnit.ac.in/ace-2020>

ABOUT THE CONFERENCE

Visvesvaraya National Institute of Technology Nagpur is celebrating its Diamond Jubilee in 2020. Being the pioneer engineering discipline of VNIT Nagpur, Department of Civil Engineering is organizing Three days international conference to embark the start of Diamond Jubilee Celebration. The theme of the conference is Advances in Civil Engineering, In Association with Department of Applied Mechanics. The keynote talks, technical sessions, and panel discussions are oriented towards holistic contributions of Civil Engineering towards the society, industry and mankind. The conference aims to create a forum to present and exchange new ideas by researchers and developers from India and abroad working in the frontier domains of Civil Engineering. VNIT Nagpur is hosting ACE-2020 during November 5,6,7 -2020. Researchers from Academia, R&D Labs and Industry from India and abroad are invited to submit original research manuscripts for ACE-2020 and be the part of Diamond Jubilee Celebration of VNIT Nagpur. Attractive prizes will be given to top 3 papers.

ABOUT VNIT

Visvesvaraya National Institute of Technology, Nagpur is one of the thirty National Institutes of Technology in the country. The Govt. of India conferred on the Institute, the Deemed to be University status (under University Grants Commission Act, 1956 (3 of 1956)) with effect from 26th June 2002. Subsequently, the Central Govt. by Act of Parliament (National Institutes of Technology Act, 2007 (29 of 2007)) declared VNIT Nagpur as an Institute of National Importance along with all other NITs. The Act was brought into force from 15th August 2007. Earlier, the Institute was known as Visvesvaraya Regional College of Engineering (VRCE). It was established in the year 1960 under the scheme sponsored by Govt. of India and Govt. of Maharashtra. The college was started in June 1960 by amalgamating the State Govt. Engineering College functioning at Nagpur since July 1956. In the meeting held in October 1962, the Governing Board of the College resolved to name it after the eminent engineer, planner, and statesman of the country Sir M. Visvesvaraya. The institute offers B.Tech in Chemical Engineering, Civil Engineering, Computer Science Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering, Mechanical Engineering, Metallurgical & Materials Engineering and Mining Engineering. It also offers B. Arch in Architecture. The institute offers M.Tech in 17 specialisations in engineering and M.Sc in Physics, Chemistry and Mathematics. The institute also offers PhDs in All Engineering, Applied Sciences and Humanities department.

ABOUT CIVIL DEPARTMENT

Department of Civil Engineering is the oldest department in this institute right from the establishment of Government College of Engineering in Nagpur 1956. The department offers the undergraduate course of B.Tech in Civil Engineering and five postgraduate courses, M.Tech in Construction Technology and Management, Environmental Engineering, Water Resource Engineering, Transportation Engineering and Geotechnical Engineering. Also, M.Tech in Structural Engineering and Structural Dynamics are offered by Department of Applied Mechanics. The faculty member are engaged in research in multiple discipline of Civil Engineering. All types of design consultancies and third party quality audits are carried out by faculty member as per demand from industries. Presently, 400 students are studying in B.Tech Civil Engineering, 200 students are studying in post graduate courses and 50 students are pursuing their PhD research in the department.

CALL FOR PAPERS

The ICACE-2020 provides a leading forum for the presentation of new advances and research results in the fields of Civil Engineering. The conference will bring together leading researchers, engineers, and scientists in the domain of interest from around the world. Accordingly, topics of interest for submission include, are not limited to:

• Construction Management:

• Advanced Construction procedures and methods	• Construction Safety and Quality Management	• Organizational Issues in Construction projects	• Alternative methods for project Delivery
• Project Strategic Management	• Project planning and Scheduling	• Risk Analysis and Management	• Construction Labor Productivity
• Sustainable project Procurement	• Building Information Modelling	• Smart Infrastructure Planning	• Public Private Partnership

• Construction Materials:

• Testing Procedures of Building Materials	• Sustainable Building Materials	• Advanced Concrete Technology	• High Performance Concrete
• Geopolymer Concrete	• Building Health Monitoring	• Demolition Waste and Reuse	• Green Construction Materials

• Environmental Engineering:

• Optimization of collection systems (Pure water & wastewater)	• Soft computing in environmental engineering	• Drinking water treatment technologies	• Wastewater and sludge treatment
• Air pollution and control	• Solid Waste Management	• Recycling and reuse	• Industrial wastewater treatment
• Global environmental change and ecosystems management		• Quality guidelines, environmental regulation and monitoring	

• Geotechnical Engineering:

• Theoretical and analytical solutions in geomechanics	• Numerical formulations of geotechnical problems	• Soft computing in geotechnical engineering	• Ground Improvement Techniques
• Foundations in Problematic Soils	• Geohazards and Risk Assessment	• Surface and Sub Surface Excavation	• Geotechnical practice and case study
• Soil dynamics	• Site Characterization	• Soil structure interaction	• Geo Environmental

• Transportation Engineering:

• Public transportation management	• Urban transport and issues	• Highway design and materials	• Transportation Safety
• Traffic engineering	• Transportation policy	• Smart transport system	• Pavement design
• Transportation design, modelling and optimization		• Pavement evaluation, maintenance and management	

• Water Resource Engineering:

• Irrigation, reservoir operations and Water Conservancy	• Integrated river basin management and interlinking	• Hydraulic Engineering Design and Programme	• Groundwater and Ground Subsidence
• Water Resources Optimization techniques	• Flood, storm water and Drought Management	• GIS applications in water resources	• Soft computing in water resources engineering
• Hydraulics	• Watershed management	• Water security development	• Hydrology and Water Resources

• Structural Engineering:

• Vibration Analysis and Vibration Control	• Loadings on Structures and Design Codes	• Design for Earthquake Resistance	• Full-Scale Testing of Structures
• Design for Wind and Storm Resistance	• Steel Structures	• Structural Analysis and Design	• Computer-Aided Design
• Design for Fire Resistance	• Steel-Concrete Composite Construction	• Loadings on Structures and Design Codes	• Soft computing in structural engineering

SUBMISSION OF PAPERS

Authors need to follow the format for preparation of the manuscript strictly. You can download MS Word Template, Latex Template, and Sample Paper for your reference from the conference website. The submission of the manuscript is through OCS Online Manuscript Submission and Review System. The submitted manuscripts will be double blind peer-reviewed and scrutinized for plagiarism as a mandatory requirement for publication. The papers accepted after peer review will be published as a standalone in Scopus Indexed proceeding.

REGISTRATION FEE (INCLUDING GST)

Category	Indian Participants		Foreign Participants	
	Early Bird (Before 30 th May, 2020)	Regular (Upto 30 th July, 2020)	Early Bird (Before 30 th May, 2020)	Regular (Upto 30 th July, 2020)
Student*	INR 6,000/-	INR 8,000/-	USD 200	USD 250
Faculty/ Academia	INR 8,000/-	INR 10,000/-	USD 250	USD 300
Industry/ R&D Organization	INR 10,000/-	INR 12,000/-	USD 300	USD 350

Note-* Student must submit a valid proof from his/her Institute

Registration Charges are inclusive of Conference Kit, Publication Charges, Morning Breakfast, Lunch and Afternoon Tea & Snacks only.

IMPORTANT DATES

Last Date of Abstract Submission	30 th March 2020
Notification of Abstract Acceptance	15 th April 2020
Last Date of Paper Submission	30 th May 2020
Acceptance of Full Paper	30 th June 2020
Submission of Camera Ready Paper and Registration	30 th July 2020

ACCOMODATION

On a paid basis, single/double occupancy limited accommodation is available in the hostel of the institute. The participant can book it in advance, before due date by sending request mail. Good hotels are available nearby VNIT campus; you can directly book your accommodation as per your requirement.

SPONSORSHIP OPTIONS

We are seeking sponsors and offering the best stage for the conference, an event of Diamond Jubilee 2020, in terms of additional benefits. Sponsorship for the conference will provide the sponsors unique opportunity to increase their visibility and to promote their products to highly specialized and influential community. The following options of sponsorships are available (for more details, refer event webpage).

- **PLATINUM SPONSOR (Rs. 2.0 LAKHS OR ABOVE)**
- **DIAMOND SPONSOR (Rs. 1.5 LAKHS TO 1.99 LAKHS)**
- **GOLD SPONSOR (Rs. 1.0 LAKH TO 1.49 LAKHS)**

ADVERTISEMENT IN SOUVENIER

Back Page	Rs. 50,000/-	Special Color Page	Rs. 15,000/-
Inside Front	Rs. 50,000/-	Full Page (BW)	Rs. 12,000/-
Inside Back	Rs. 25,000/-	Half Page (BW)	Rs. 7,000/-

PAYMENT METHOD

Only NEFT (Online) Transfer is allowed		Name of Bank	State Bank of India
Account Name	Director, V.N.I.T Nagpur	Branch	V.R.C.E Branch, South Ambazari Road, Nagpur- 440010
Account Number	10259420288		
Account Type	Current Account	Bank Code	6702, IFS Code- SBIN0006702

ADVISORY COMMITTEE

ORGANIZING COMMITTEE

Chief Patron		Patron	
SHRI VISHRAM JAMDAR		Prof. P.M.PADOLE	
Prof. Rajesh Gupta Principal Convenor	Prof. Yashwant Katpatal Convenor	Dr. Abhay Tawalare Organizing Secretary	
Members			
Prof. Ajay Tembhurkar	Prof. Dilip Lataye	Prof. Aniruddha Ghare	
Prof. Vishrut Landge	Prof. Rahul Ralegaokar	Prof. Mukund Mahajan	
Prof. L.M. Gupta	Prof. R.K. Ingale	Prof. O.R. Jaiswal	
Prof. G.N. Ronghe	Dr. Avinash Vasudeo	Dr. Anirban Mondal	
Dr. M.V. Latkar	Dr. S.V. Bakare	Dr. S.S. Borghate	
Dr. Ranjan Sonporate	Dr. Sangita Gadve	Dr. Ratnesh Kumar	
Dr. Anjan Patel	Dr. Ashwini Mirajkar	Dr. Shilpa Dongare	
Dr. Swapnil Wanjari	Dr. Mangesh Madurwar	Dr. Shrabony Adhikary	
Dr. Amit Padade	Dr. Karthik Balasundaram	Dr. Udit Jain	
Dr. Srinivasan V.	Dr. Sita Rami Reddy	Dr. Manmohan Das Goel	
Dr. Arvind Vyavhare	Dr. Ashish Khatri	Dr. Debarati Datta	

Address for Correspondence

Dr. ABHAY TAWALARE

Department of Civil Engineering,

Visvesvaraya National Institute of Technology, South Ambazari Road, Nagpur, Maharashtra, India - 440 010

Email: secretary@ace2020vnit.com, Contact No.: +91-9422855888

For more details visit our event webpage: <http://www.vnit.ac.in/ace-2020>