

## PROFILE of Prof. C.B. KAMESWARA RAO

Prof Rao CBK, is a senior faculty of Civil Engineering at National Institute of Technology Warangal (NITW). He is a Graduate from JNTU, Kakinada, PG & PhD from REC (NIT), Warangal, India. He has guided eight PhD students and two are in progress, completed four funded research projects, two more in progress, published 150 research papers in International journals, International/National conferences, expert lectures etc, and also submitted four patents. Prof. Rao also worked at AIT, Bangkok for a term. He is a Member of BIS CED 2: Cement and Concrete Sectional Committee, subcommittee 2.2., IRC Committee B4. His research interests include Engineered Cement Composites, ductile concrete, retrofitting, Precast joints among others.

## ABOUT WARANGAL CITY

Warangal is the second largest city in the newly formed state of Telangana spreading over 406 km<sup>2</sup> (157 sq. miles) with a population of 11 Lakhs and was the capital of the erstwhile Kakatiya dynasty. Some of the prominent monuments of Kakatiya's include fortresses, lakes, temples and stone gateways and is a popular tourist attraction. Ramappa Temple has been recently declared as the World Heritage Monument. It is one of the eleven cities in the country to have been chosen for the Heritage City Development and Augmentation Yojana scheme by the Government of India.

## CALL FOR PAPERS

CBKR 2023 invites abstracts not exceeding 300 words of original research work with title, authors name, affiliation, e-Mail and maximum of five key words under any one of the conference themes. Abstracts should be sent to the conference mail address ([cbkr2023@gmail.com](mailto:cbkr2023@gmail.com)). Guidelines for submitting full-length manuscript will be uploaded on the conference website. The submitted papers will be reviewed before accepting the final versions and will be published in the e-Format.

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## BANK DETAILS

Registration fee may be sent in the form of a Demand Draft or remitted through on-line to the following bank details.

Account Name/Account No	Account to be opened
Bank and Branch	SBI, NIT Warangal Branch
Bank Code/IFSC Code	20149, SBIN0020149

## SPONSORSHIP

CBKR 2023 will provide a great opportunity for interaction among industries, consultants, government agencies, educational institutions academicians, professionals and decision makers. Sponsorship with the following tariff is invited. Platinum and Diamond sponsors will be given time and space to showcase their products. Gold and Silver Sponsors can display their banners.

Platinum Sponsor (With 12 Delegates)	₹ 3,00,000
Diamond Sponsor (With 8 Delegates)	₹ 2,00,000
Gold Sponsor (With 4 Delegates)	₹ 1,00,000
Silver Sponsor (With 2 Delegates)	₹ 50,000

## ACCOMMODATION

Delegates can request for accommodation at the Institute Visitor's block on payment basis subject to the availability. There are several good number of hotels in the vicinity of the campus. The participants have to make their own traveling arrangements. Details about the hotels will be updated in conference website.

## ADDRESS FOR CORRESPONDENCE

Dr. P. Rathish Kumar, Professor, CED.

Ph:+91-9849670347, [rateeshp@nitw.ac.in](mailto:rateeshp@nitw.ac.in)

Dr.S.Venkateswara Rao, Assoc. Professor, CED.

Ph:+91-8332969253, [svrao@nitw.ac.in](mailto:svrao@nitw.ac.in)

Dr T.P.Tezeswi, Assoc. Professor, CED.

Ph: +91-8332969243, [tezeswi@nitw.ac.in](mailto:tezeswi@nitw.ac.in)

Dr D.Raviprasad, Assoc. Professor, CED.

Ph: +91-8332969256, [raviprasad@nitw.ac.in](mailto:raviprasad@nitw.ac.in)

## PLACES TO VISIT



Ramappa Temple



Warangal Fort



1000 pillars Temple



Suspension Bridge

## International Conference on Cement and Building Koncrete for a sustainable and Resilient infrastructure (CBKR 2023) 28-29 March 2023



Organized by  
Department of Civil Engineering  
National Institute of Technology Warangal  
Telangana-506004, India



On the eve of Superannuation of  
Prof. C.B. Kameswara Rao (CBKR)

## ABOUT THE CONFERENCE

The rapid increase in the infrastructure and the demand for materials and resources is leading to disturbance in the environment and destabilization in sustainability. This has created a huge impetus on developing innovative and non-conventional materials and smart technologies with the aim of increasing profitability, decreasing construction time and overall impact on the built environment. The International conference on **Cement and Building Koncrete for a sustainable and Resilient infrastructure (CBKR 2023)** will be a major platform for leading experts from academia, industry and field to discuss and deliberate on the latest scientific and technical information on a wide range of sustainable and resilient concrete making materials and technologies. During the conference, extensive deliberations on various areas are expected by way of technical presentations, invited lectures and key note lectures through both online and in-person modes.

## ABOUT NIT WARANGAL

National Institute of Technology Warangal (Formerly known as REC Warangal) was established in 1959 with a mission to promote education in professional courses and to achieve excellence in technical education and research. The Institute currently has Thirteen academic departments and several advanced research centres in various disciplines of engineering, pure sciences and management, with nearly 100 laboratories, central library with state-of-the-art facilities, auditorium, student activity centre, mega computer centre, indoor games complex, sports stadium, seminar halls with all the infrastructure, dispensary with state of art of facilities, etc. The Institute offers eight Undergraduate programmes (B.Tech..) in Engineering, Twenty-Nine Postgraduate programmes (M.Tech., M.Sc., MCA and MBA) in engineering, sciences and management and research programmes in engineering, sciences, humanities, physical education and management. The institute is well-known for its Research and Development, industrial consultancy, continuing education and training programmes for teachers and industrial personnel.

## CIVIL ENGINEERING DEPARTMENT

The Department of Civil Engineering has been one of the pioneering academic departments of National Institute of Technology Warangal since inception of the institute in 1959. The Department has well qualified, experienced and motivated faculty members who are recognised at National and International levels. Faculty have good publication record and patents and are members of the BIS, IRC etc. The Department offers UG Programme in Civil Engineering and PG programs in Eight disciplines. The Department is a recognised QIP Center since 1978 and has a good number of research projects funded by MHRD, AICTE, UGC, CSIR, DST, MOUA, MOST, CWC, CRRI, CBIP and R&D. Many public sector undertakings like NTPC, RITES, Singareni Collieries, ONGC etc. and private companies like Gammon India Ltd., L&T etc. consult the Department for technical advice. It maintains excellent rapport with MORTH, BIS, Ministry of Urban Affairs, Ministry of Rural Development and several municipal bodies and UDAs.



## REGISTRATION FEE

Particulars of Delegates	Early-Bird Registration (Till Dec. 31, 2022)	Normal Registration (Jan.01, 2023 onwards)
National Student Delegates	₹ 1500/-	₹ 2000/-
International Student Delegates	USD 50	USD 60
National Delegates from Research, Academic Institutes	₹ 2500/-	₹ 3000/-
International Delegates from Research and Academic Institutes	USD 70	USD 80
National Delegates from Industry	₹ 4500/-	₹ 5000/-
International Delegates from Industry	USD 90	USD 100
National Delegates (without paper)	₹ 1000/-	₹ 1500/-
International Delegates (without paper)	USD 40	USD 45

## PUBLICATION

At least one of the authors of the paper should register and pay the registration fee for their paper to be included in the final presentation. Upon presentation in the conference, selected papers will be sent for double blinded peer review before considering for acceptance in Scopus indexed proceedings. Further updates will be posted on the conference website.

## CONFERENCE WEBSITE

<http://cms.nitw.ac.in/conference/cbkr2023/>

## PARTICIPATION

National Institute of Technology takes great pleasure in extending cordial invitation to Organizations / Individuals, Academicians, Researchers, Engineers, Consultants, Contractors and Industry experts to participate in the Two-day **International Conference on Cement and Building Concrete infrastructure for sustainability and Resilience (CBKR 2023)**.

## IMPORTANT DATES

Submission of Abstract	30 <sup>th</sup> Nov 2022
Notification of acceptance of Abstract	15 <sup>th</sup> Dec 2022
Submission of Full-Length paper	15 <sup>th</sup> Jan 2023
Notification of Acceptance of Full paper	28 <sup>th</sup> Jan 2023
Submission of Camera- Ready papers	15 <sup>th</sup> Feb 2023
Registration starts	1 <sup>st</sup> Nov 2022

## VENUE

The venue of the Conference will be Seminar Hall Complex at National Institute of Technology Warangal, Telangana State, India.

## ADVISORY COMMITTEE

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## THEMES OF THE CONFERENCE

- ✓ Sustainable Concrete making materials and special concretes
- ✓ Smart Materials and structures
- ✓ Concrete and Masonry Structures
- ✓ Lightweight Structures
- ✓ AI & ML applications in construction
- ✓ MCDM methods for selection of construction Materials and technologies.
- ✓ Green and renewable energy applications in construction and operation.
- ✓ Innovative building methods
- ✓ Repair, Retrofitting and Rehabilitation
- ✓ New Technologies in structural design and Construction
- ✓ Performance-Based Design
- ✓ Pre-cast or pre-fabricated concrete
- ✓ Recent developments on guidelines and standardization
- ✓ 3D printing of concrete
- ✓ Sustainability and life-cycle assessment of concrete materials and structures
- ✓ Innovative Construction Techniques and Management

## KEYNOTE SPEAKERS



<https://fenix.tecnico.ulisboa.pt/homepage/ist12299>

**Prof. Jorge de Brito** is a full Professor at Department of Civil Engineering, Architecture and Georesources, University of Lisbon, Portugal. His areas of expertise include Concrete; Construction Materials; Construction Engineering; Concrete Technologies; Concrete Pathology; Sustainable Building; Environment; Concrete Structures; Rheology; Environmental Performance; Life-Cycle Assessment; Concrete Durability; Building Materials.



<https://seng.hkust.edu.hk/about/people/faculty/christopher-kin-ying-leung?id=22>

**Prof. Christopher Kin Ying Leung** is a full Professor at Civil and Environmental Engineering Department, Hong Kong University of Science and Technology, Hong Kong. Prof Leung's research interests are in the general field of construction materials which include composite mechanics, application of fiber composites in civil engineering, fracture mechanics of cementitious materials as well as the mechanics-based design of fiber optic sensors.



<https://iitd.irins.org/profile/10498>

**Dr. B. Bhattacharjee** is a Professor Emeritus, Department of Civil Engineering, Indian Institute of Technology Delhi, India. His areas of active research interest include corrosion of rebar in concrete, high-performance concrete, microstructure modelling of concrete, chloride ingress, service life prediction and life cycle costing of concrete structures besides condition evaluation and health monitoring of structures.



<https://directory.statler.wvu.edu/faculty-staff-directory/udaya-halabe>

**Prof. Udaya B. Halabé** is a Professor at Wadsworth Department of Civil and Environmental Engineering, West Virginia University, USA. Dr. Halabe has over thirty years of research and field-testing experience in the area of non-destructive testing and evaluation of structural components including ultra-sonics, ground penetrating radar, infrared thermography, fiber optics and vibration-based technologies.

## KEYNOTE SPEAKERS



<https://iitp.ac.in/dr-k-n-satyanarayana>

**Dr. Kalidindi N. Satyanarayana** is currently the Director of IIT Tirupati, India. He has been a Professor in the Building Technology & Construction Management Division of the Department of Civil Engineering at the Indian Institute of Technology Madras, Chennai, India. His areas of research interest include Construction Project Management, Quality Management, Construction Methods and Equipment, Construction Contracts, Public Private Partnerships.



<https://www.ncbindia.com/dg.php>

**Dr Bibekananda Mohapatra** is the Director General of National Council for Cement and Building Materials (NCCBM). He is a pioneer in Cement Mineral Chemistry, enriched with 10 years of Research and over 22 years of industry experience with very strong academic relations with Premier Institutes. Dr Mohapatra has published more than 120 technical papers in various National and International Journals/proceedings.



<https://www.ncbindia.com/dg.php>  
**Prof. K. V. L. SUBRAMANIAM | IITH Civil Engineering**

**Dr. Kolluru. V.L. Subramaniam** is a Professor, Department of Civil Engineering, Indian Institute of Technology Hyderabad, India. His areas of interest include Behaviour of concrete and Masonry Structures, Alkali-activated binders and geopolymers, Rheology Control and 3D Printing.



<https://www.dundee.ac.uk/people/thomas-dyer>

**Prof. Thomas Dyer** is a Senior Lecturer at Civil Engineering, School of Science and Engineering, University of Dundee, UK. Tom Dyer is a Materials Scientist who has worked in the field of Concrete Technology for 20 years. His research interests include Durability of concrete and its deterioration mechanisms, Recycling of by-products as cements, Concrete biodeterioration and bio protection.



<https://www.gre.ac.uk/people/rep/faculty-of-engineering-and-science/kong-fah-tee>

**Prof. Kong Fah Tee** is a Reader in Infrastructure Engineering, Department of Engineering Science, University of Greenwich, UK. His areas of research include Structural Reliability and Risk-Cost Optimization, Structural System Identification and Life Prediction, Forensic Engineering, Experimental Stress Analysis Fatigue and Fracture Mechanics.