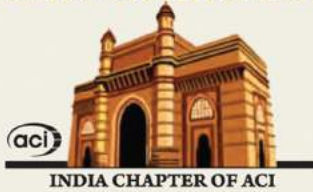


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4th R.N.Raikar Memorial International Conference &

Dhir - Ghosh International Symposium on

ADVANCES IN CONCRETE : MATERIALS, DESIGN, CONSTRUCTION

10th and 11th December 2021, Hotel The Lalit, Mumbai



Invitation to Participate by Chetan R. Raikar- Convener

A warm invitation to you to the 4th R. N. Raikar Memorial International Conference & Dhir- Ghosh International Symposium on December 10th-11th, 2021 at Mumbai. Worldwide, the pandemic is getting under control and we are sure that by December 2021, we all would be freely traveling as earlier. It is going to be a technical extravaganza of technocrats, researchers and academia from all the continents. Do plan to visit with your family. "Incredible India" is a unique tourist destination & the weather in December is going to be just perfect throughout the countryLook forward to meeting you.

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NBM & CW
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(The Newspaper Connecting Infrastructure Business)

R.N.Raikar Conference Series



Mr. R.N.Raikar

Mr. R.N.Raikar was the unfading light showing path and direction to the India Chapter of American Concrete Institute (ICACI). From its inception in 1979, till his untimely departure on 8th March 2008, his untiring efforts catapulted ICACI into a national body for concrete excellence. Under his able leadership IC-ACI won 'Excellent Chapter Awards' from parent body ACI consecutively for last 21 years - a feat it continues to achieve to date.

ACI in its centennial year conferred on him the highest individual honour of being an 'Honorary Member' of the Institute in recognition of his service to the concrete industry. As a tribute to his legacy, the R.N.Raikar conference series aims to salute global concrete icons of Indian origin.

Dhir - Ghosh International Symposium



Prof. R.K. Dhir

Professor Ravindra K Dhir OBE, of Dundee/Birmingham universities UK and Trinity College Dublin Ireland, recipient of Videsh Samman from the High Commissioner of India in the UK (1999), Honorary Fellow Institute of Concrete Technology UK (1994), Honorary Lifetime Fellow Indian Concrete Institute (2008), Honorary Member Construction Chemical Manufacturers Association India (2011), and Past-President, the Concrete Society UK (2010), is a researcher and teacher in concrete science, technology and construction, with specialties in sustainability, low carbon cements and value-added use of wastes. In Dundee, his hallmark has been, building of a grand multi-million sterling pounds, state of the art, concrete research centre, commonly known as the CTU, where research helped to break barriers and open new frontiers, such as fly ash use as a cement constituent, role of minimum cement content in concrete, use of small cores, upto 25 mm dia., in estimating in-situ concrete strength.

Dhir has published over 450, books, technical papers and recently five books (authored) sustainable construction materials: recycled aggregates, glass cullet, municipal incinerated bottom ash, sewage sludge ash, and copper slag, as well as four books (edited), published by the Institution of Civil Engineers UK: smart, low carbon and self-compacting concrete and recycled aggregates use in concrete.

Consulting internationally, Dhir specialises in mentoring companies with the aim of giving them a cutting edge, as well as cost savings, in a competitive market. Dhir has served on several national and international technical committees and is recipient of numerous awards and honours, including the UK national honour, the Order of the British Empire bestowed by the Queen in 1999, for his services to the construction Industry.



Dr. S. K. Ghosh

Dr. S. K. Ghosh heads the consulting practice, S. K. Ghosh Associates LLC, Palatine, Illinois, now a subsidiary of the International Code Council. Dr. Ghosh is active on many national technical committees, is an Honorary Member of ACI, and is a Fellow of ASCE, SEI, and PCI. He is a member of ACI Committee 318, Standard Building Code and the ASCE 7 Standard Committee (Minimum Design Loads for Buildings and Other Structures). He is a former member of the Boards of Direction of ACI, the Earthquake Engineering Research Institute and the Building Seismic Safety Council. He is a member of the Board of Governors of ASCE's Structural Engineering Institute.

Dr. Ghosh has influenced seismic design provisions in the United States for many years. In addition to authoring many publications in the area of structural design, Dr. Ghosh has investigated and reported on structural performance in most recent earthquakes. He is currently leading a World Bank project on building code enforcement in Dhaka, Bangladesh.

MESSAGE FROM PRESIDENT, ACI



Cary Kopczynski

I highly encourage you to attend the 4th R. N. Raikar International Conference in Mumbai, India, on Dec 10-11-2021. This conference will build on the tremendous success of the previous R. N. Raikar Conferences. ACI is proud to be a continuing co-sponsor of this important event hosted by the India ACI Chapter that does an outstanding job organizing and presenting the conference. It's fitting that it takes place in India with one of the world's most dynamic and fast-growing concrete industries. Delegates will come away with valuable technical information and an expanded network of new friends and technical experts. For anyone interested in concrete, this is a not-to-be-missed event!

MESSAGE FROM IMMEDIATE PAST PRESIDENT, ACI



Jeffrey W. Coleman,
PE, FACI

I am excited to have the opportunity to attend the 4th R.N.Raikar Memorial International Conference while I am President of the American Concrete Institute. I hope you will attend. For many years I have been impressed with the India Chapter of ACI. You are active participants in our annual conventions and have active and vibrant programs in your own country. I look forward to meeting you at the conference and learning more about your impressive ACI chapter.

MESSAGE FROM EXECUTIVE VICE PRESIDENT, ACI



Ronald G. Burg,
Executive Vice President,
American Concrete Institute.

I invite all to attend the 4th R.N.Raikar Memorial International Conference - Advances in Science & Technology of Concrete as this will be a premier event bringing together many of the world's leading experts on various topics in concrete technology. ACI President Jeffrey Coleman and I will be in Mumbai this December and we look forward to meeting all the delegates and having a productive conference. The past conferences that I have attended have all been wonderful successes. I have come away with useful technical information and an expanded network of new friends and technical experts. The India ACI Chapter does an outstanding job of organizing and hosting the conference. Don't miss this excellent opportunity - add it to your calendar now!

Conference Mentors



Prof. Surendra Shah

Prof. Surendra Shah is a Walter P. Murphy Professor Emeritus Civil Engineering at Northwestern University. He is an honorary member of ACI and RILEM. Prof. Shah has received many awards including the ACI Anderson Award, RILEM Gold Medal, ASTM Thompson Award and other prestigious accolades.



Prof. Mohan Malhotra

Prof. Mohan Malhotra is a Scientist Emeritus at CANMET, Ottawa, Canada. He is a former member of the ACI's Board of Direction, and is active in the technical committees of ACI and ASTM. Prof. Malhotra is an honorary member of ACI and Concrete Society of the UK., and a fellow of ASTM and Engineering Institute of Canada.



Prof. P. A. M. Basheer

Prof. Basheer is an elected Fellow of the ACI, Irish Academy of Engineering & the Royal Academy of Engineering, and a familiar face to the India Chapter of the ACI and Indian Concrete Institute since 1998. He has authored more than 520 technical papers, book chapters, patents and reports, resulting in him receiving numerous awards, including a 'Lifetime achievement award' from the Civil Engineering Research Association of Ireland.



Prof. Nemkumar Banthia

Prof. Nemkumar Banthia is a modest person whose contributions to the world of concrete have been anything but modest. With over 500 papers, reports and patents to his credit, Prof. Banthia remains one of the most cited and quoted experts. He is an elected Fellow of the ACI, the Canadian Academy of Engineering and the most prestigious Royal Society of Canada.



Prof. Ravindra Gettu

Prof. Ravindra Gettu has worked for over a decade in Spain as researcher and Director of the Structural Technology Laboratory of the Universitat Politècnica de Catalunya. He returned home and is currently Professor, Department of Civil Engineering, IIT Madras. Prof. Gettu has over 1420 citations, 125 international publications and scores of students studying under his guidance. He is the first Asian to hold the position of President in one of the world's most prestigious international bodies of concrete research – RILEM.



Prof. Venkatesh Kodur

Prof. Venkatesh Kodur is a prominent personality in the field of Structural and Fire Engineering. Prof. Kodur was part of the FEMA/ASCE Building Assessment Team that studied the collapse of WTC buildings as a result of September 11 incidents. Prof. Kodur, an University Distinguished Professor and Chair Person of the Department of Civil & Environmental Engineering, heads the Center on Structural Fire Engineering & Diagnostics at Michigan State University, and is always at the forefront of spreading knowledge. He is the recipient of prestigious awards including Fellow of five institutes/academics, NRCC (Government of Canada) Outstanding Achievement Award and NATO Award for Collaborative research.

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American Concrete Institute (ACI)

The American Concrete Institute was founded in 1904 as a non-profit membership organization dedicated to public service and to representing the user interest in the field of concrete. ACI gathers and distributes information on the improvement of design, construction and maintenance of concrete products and services. The ACI is the premier professional institution in the sphere of concrete for over 100 years and has its motto "Progress through knowledge."

India Chapter of American Concrete Institute (IC-ACI)

"IC-ACI is almost four decades old and is a professional organization promoting Concrete Knowledge. Our motto is "Progress through Knowledge". We grew on the premise of conducting activities, exchanging knowledge and information between ACI-USA, the International Concrete Fraternity and the Indian Engineering Fraternity. Our Activities Include certification training programs, industry interactions, conferences, and providing an extensive library. IC-ACI is a vibrant organization with professional, student members, and student chapters spread all over India.



Topic for Conference

Novel cements and advanced materials

- ✓ Advances in science and technology of cement, admixtures and concrete.
- ✓ Concrete with recycled materials
- ✓ SCC/ Ultra high performance concrete
- ✓ Energy efficient process and materials
- ✓ Nano technology
- ✓ Permeable Green/Underwater concrete
- ✓ Hot weather/Cold weather concreting
- ✓ Heavy density concrete
- ✓ Fibre reinforced concrete

Performance in service, prediction of service life and life cycle analysis

- ✓ Sustainability / durability of concrete
- ✓ Innovative solutions for corrosion prevention of rebars
- ✓ Improved performance for shrinkage cracking
- ✓ Structural health monitoring
- ✓ Smart materials

Training, skills improvement & continuous professional development

Characterizations, testing and monitoring materials and their properties

and associated modelling

- ✓ Advances in testing material properties
- ✓ Experimental analysis of concrete structures.
- ✓ Monitoring concrete properties during constructions
- ✓ Non destructive testing/ Sensors
- ✓ Advanced models from nano to macro scale
- ✓ Multi-scale modelling

Fire / Blast / Impact / Earthquake / Corrosion

- ✓ Characterizations of fire, blast, earthquake and impact loading on structures.
- ✓ Behaviors of structural materials at high temperatures.
- ✓ Design of structures for improved resilience
- ✓ Strengthening, retrofit and repair of concrete structures.
- ✓ Corrosion mitigation

Structural and civil engineering applications

- ✓ Advances in Research and current developments
- ✓ Seismic retrofitting
- ✓ Concrete construction & maintenance of structures in different fields of infrastructure.
- ✓ Innovative therapies & practices in structural designs.

and all other related topics.....

Delegates Fees :

Indian Delegates : * INR 7500 + 18% GST (Before 30th June)

* INR 8500 + 18% GST (After 30th June)

International Delegates : US\$ 500 [Incl. Taxes] Before 30th June

US\$ 625 [Incl. Taxes] After 30th June

Discount for main Paper Presenter : 10% on basic amount (taxes as applicable)

Discount for Undergraduate students : 20 % on basic amount (taxes as applicable).

Discount for U G Student Members of India Chapter of ACI : 25 % on basic amount (taxes as applicable).

Discount for Members of India Chapter of ACI and supporting Orgs : 10 % on basic amount (taxes as applicable).

- Authors/presenters need to pre-register.
- Conference fee includes delegate kit, conference document, lunch and tea/coffee on both days.
- Credit card facility shall be available for spot registration.
- (Master, Visa, American Express, Diners Club, RuPay cards preferred).
- Only one discount can be availed.

Important Dates and Deadlines

Submission of Abstracts : 30th June 2021

Acceptance of Abstracts : 07th July 2021

Submission of Paper : 31st July 2021

Acceptance of Final Paper : 31st August 2021

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Presentation: Breakout Hall	-	-	10 Mins	5 Mins	-	-	-	-	-
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Logo Printed in Kit	Yes	-	-	-	-	Yes	-	-	-
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