

CALL FOR PAPERS

2nd
FLIER

Organised by
India Chapter of
American Concrete Institute



INDIA CHAPTER OF ACI

Co-Hosted by



American Concrete Institute

Always advancing

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.

INDIA CHAPTER OF ACI - BOARD OF DIRECTION (2019-21)

PRESIDENT
DR. RAGHUVIR SALKAR

VICE PRESIDENT
SUNNY SURLAKER

IMM. PAST PRESIDENT
MS.RADHIKA MARKAN

HON. SECRETARY
SOURABH MANJREKAR

CHETAN R. RAIKAR **SATISH C. DHUPELIA**

PAST PRESIDENTS
PANKAJ SHAH

DR. S.K.MANJREKAR **M.A.JACOB**

DR. VISHAL THOMBARE
UMESH MAGAR
ABHISHEK SALKAR

DIRECTORS
PROF. V.B.VANVARI
MS. ISHITA MANJREKAR
DR. SHISHIR BANSAL

SUHAS BARVE
DR. YOGINI DESHPANDE
DR. G.S.RAMPRADEEP
RAJEEV SINGHAL

INDIA CHAPTER OF AMERICAN CONCRETE INSTITUTE
Unit No. 2 & 3, Nagree Terraces CHSL., Soonawala Agiary Road, Mahim West, Mumbai : 400016, Ph.No.022-24469175 / 24460760
Email : infoicaci@gmail.com Website : www.icaci.com

Supporting Organisations

Media Partners



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 specialities 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 you 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 Politecnica 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.

International Organising Committee (IOC)

(This is a dynamic list.....)

Dr. Aftab Mufti	Canada	Prof. Gaurav N. Sant	USA	Dr. Michael Grantham	London	Dr. Rishi Gupta	Canada
Dr. Ahmad Abdelrazaq	Korea	Prof. Hirao Takada	Japan	Dr. Mohamad Nagi	UAE	Prof. Roger West	Ireland
Prof. Alejandro Duran Herrera	Mexico	Dr. Indubhushan Patnaikuni	Australia	Prof. Mukesh Limbachiya	UK	Dr. Robert Lewis	UK
Prof. Alva Peled	Israel	Prof. John E. Bolander	USA	Prof. Narayanan Neithalath	USA	Prof. Salah Toubat	UAE
Mr. Ashok Kakade	USA	Dr. Kazunori Fujikake	Japan	Dr. Nasser Darwish	Egypt	Dr. Sanjay Mehta	USA
Dr. Bekir Pekmezci	Turkey	Prof. Keietsu Rokugo	Japan	Dr. Nilufer Ozyurt Zihnioglu	Turkey	Prof. Shamim A. Sheikh	Canada
Dr. Bryan Magee	UK	Prof. Dr. Klaas Van Breugel	Netherlands	Dr. Olga Rio	Belgium	Dr. Sokhwan Choi	Korea
Prof. Caijun Shi	China	Prof. Koji Sakai	Japan	Prof. Piti Sukontasukkul	Thailand	Dr. Vellore S. Gopalaratnam	USA
Dr. Christopher KY Leung	Hong Kong	Dr. Lan Chung	Korea	Dr. Pierre Rossi	France	Dr. Vilas Mujumdar	USA
Dr. Cristina Zanotti	Canada	Dr. Liberato Ferrara	Italy	Prof. Prasada Rao Rangaraju	USA	Prof. Vivek Bindiganavile	Canada
Prof. Daman K. Panesar	Canada	Prof. Luca Sorilli	Canada	Dr. Pedro Castro Borges	Mexico	Prof. Zongjin LI	Hong Kong
Dr. Ekasit Limsuwan	Thailand	Dr. M. Shahria Alam	Canada	Prof. Peter Robery	UK		
Mr. Fred Goodwin	USA	Dr. Manote Sappakitpakorn	Thailand	Prof. Raman Mangabhai	UK		

National Organising Committee (NOC) (This is a dynamic list.....)

Mr. A. K. Tiwari	Mr. D. L. Desai	Mr. Kaustubh Raikar	Mr. N. V. Kudale	Dr. Ramchandran	Mr. Sarvagya Srivastava
Mr. Abhay Ghate	Mr. Girish Dravid	Ms. M. A. Shende	Dr. N. V. Nayak	Dr. Ravi Sinha	Mr. Shashank Mehendale
Mr. Ajay Sahni	Mr. Jayant Kadam	Mr. M. B. Dagaonkar	Mr. Nilotpal Kar	Mr. R. K. Gupta	Mr. Shishir Bansal
Mr. Alok Bhowmick	Mr. Jayant Kulkarni	Mr. Mahesh Mudda	Mr. Nitin Kanvande	Mr. R. K. Markan	Mr. Samir Surlaker
Mr. Amish Bisane	Mr. J. K. Kulkarni	Prof. Mahesh Tandon	Dr. P. R. Swarup	Mr. Swanand Raikar	Ms. Sangita Wj
Mr. Anil Kumar Sharma	Mr. J. V. Patgaonkar	Mr. Manoj Kavalkar	Mr. Pankish Goel	Mr. S. B. Patil	Mr. Sanjay Pant
Mr. Ashwin Moghe	Mr. Jay Kaktikar	Mr. Muninder Seeru	Prof. Ravindra Gettu	Mr. S. R. Darade	Mr. Upen Patel
Mr. B. A. Madhukar	Mr. K. K. Varkhedkar	Mr. Mukul Parikh	Mr. R. V. Sonje	Mr. S. S. Chaudhari	Mr. V. B. Gadgil
Mr. Cyrus Pithawala	Dr. K. V. L. Subramaniam	Dr. N. Ramprakash	Mr. Rajan Kataria	Mr. S. S. Kutumbale	Mr. V. G. Jana
Mr. Debashish Guha	Mr. Kamal Hadker				



American Concrete Institute
Always advancing

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

PARTNERSHIP OPPORTUNITES : EVENT CHANNEL PARTNERS (+ Taxes as Applicable)

FEATURES / CATEGORIES	PLATINUM	DIAMOND	GOLD	SILVER	BRONZE	KIT	EXHIBITOR: PREMIUM	EXHIBITOR: SUPERIOR	KIT INSERTS
Amount (Rs.)	5,00,000/-	3,00,000/-	2,00,000/-	1,00,000/-	50,000/-	1,00,000/-	2,00,000/-	1,50,000/-	50,000/-
Delegates	5	3	2	1	1	1	2	1	-
Presentation: Main Hall	10 Mins	5 Mins	-	-	-	-	-	-	-
Presentation: Breakout Hall	-	-	10 Mins	5 Mins	-	-	-	-	-
Ad in Souvenir	Full Page	Full Page	Full Page	½ Page	½ Page	½ Page	Full Page	Full Page	½ Page
Banners / Standees	5	3	2	1	1	1	-	-	-
Exhibition Space	1	1	-	-	-	-	-	-	-
Company Logo in Brochures	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-
Logo in Welcome Banner and Stage Backdrop	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-
Logo Printed in Kit	Yes	-	-	-	-	Yes	-	-	-
Product Literature in Kit	Upto 8 pages	Upto 8 pages	Upto 8 pages	Upto 8 pages	Upto 8 pages	Upto 8 pages	Upto 8 pages	Upto 8 pages	Upto 8 pages

PARTNERSHIP OPPORTUNITES (+ Taxes as Applicable)

ADVERTISEMENT POSITION	AMOUNT (RS.)	SIZE
Back Cover	1,00,000/-	Size: US Letter
Front Inner	75,000/-	Size: US Letter
Back Inner	75,000/-	Size: US Letter
Centre Fold [4 Positions]	50,000/-	Size: US Letter
Full Page	25,000/-	Size: US Letter
½ Page	15,000/-	Size: ½ US Letter

Delegate Fees and Partnership Fees can be paid by:

Demand Draft drawn in favour of 'India Chapter of ACI', payable at Mumbai **OR** by RTGS at: Indian Bank, 1/1A, Raj Mahal CHS, Plot No. 542, MMC Road, Mahim(W), Mumbai 400016.

S.B A/c No.: 00000419657905 / IFSC Code: IDIB000M008 / GST No.: 27AAATM5311J1ZO / PAN No.: AAATM5311J