Important Dates

- Last date of abstract submission: 1st October 2017
- Review of abstract by Scientific Committee: 1st November 2017
- Last date of Paper submission: 1st May 2018
- Review of paper by Scientific Committee: 1st July 2018
- Last date of Final paper submission: 1st September 2018

Delegate Fees

Indian delegates:
- INR 12,000 excluding taxes (Before 1st October 2018)
- INR 13,500 excluding taxes (After 1st October 2018)

International delegates:
- USD 500 including taxes (Before 1st October 2018)
- USD 625 including taxes (After 1st October 2018)

- 25% discount - for main authors
- 50% discount - for students
- 10% discount - for members of ICACI and supporting organisations

Authors/presenters need to pre-register.
- Conference fee includes delegate kit, conference document, lunch and tea/coffee on all days.
- Credit card facility is available for spot registrations.

Mode of Payment

By cheque or demand draft payable at Mumbai in favour of “India Chapter of ACI”.

For electronic transfer
- IFSC Code: IDIB000M008
- SB A/C: 000000419657065
- SWIFT: IDIBINBBBFT
- Bank Name: Indian Bank, Mahim Branch, Mumbai 400 016.
- Bank Address: 1, 1A Raj Mahal CHS., Plot No: 542, MMC Road, Mahim (West), Mumbai: 400 016

Online Registration can be done at www.icaci.com

Tours

Explore India’ tours available for delegates and their spouses.

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 (ICACI)

ICACI is in its 38th year of operations. We realize that sharing and exchange of activities, knowledge and information is inevitable for efficient sustenance of the user interest in the field of concrete and also for our welfare. Technical dissemination is the most appropriate method for enhancing our Continuous Professional Development. ICACI has around 2000 members spread all over India, who actively participate in all Chapter programs.

3rd R N Raikar Memorial International Conference & Gettu-Kodur International Symposium on ADVANCES IN SCIENCE & TECHNOLOGY OF CONCRETE

14-15 December 2018, Mumbai
R N Raikar Conference Series

Mr. R. N. Raikar was the unifying 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 unifying efforts catapulted ICACI into a national body for concrete excellence. Under his able leadership ICACI won several "Excellence Chapter Awards" from parent body. ACI—a feat it continues to achieve to date.

The ACI in its centennial year conferred on him the highest individual honor of being an "Honorary Member of the Institute in recognition of his service to the concrete industry. As a tribute to this legacy, the R N Raikar conference series aim to etch global concrete icons of Indian origin. Prof. Surendra Shah, Prof. P. A. M. Bashir and Prof. Nemkumar Bhatia have been felicitated at this prestigious platform over the years.

Gettu-Kodur international Symposium

Having worked over a decade in Spain, as a researcher and Director of the Structural Technology Laboratory of the Universitat Politecnica de Catalunya, Prof. Gettu returned home and is currently Professor, Department of Civil Engineering, IIT Madras.

He has over 1420 citations, 125 international publications and scores of students studying under his guidance.

Prof. Gettu is the first Asian to hold the position of Vice-President in one of the world’s most prestigious international bodies of concrete research—RILEM.

A distinguished personality in the field of Fire Engineering, Prof. Kodur was part of the FEMASACE Building Performance Assessment Team that studied the collapse of WC buildings as a result of September 11 incidents.

As Professor and Chairperson, Department of Civil & Environmental Engineering, as well as Director, Centre on Structural Fire Engineering & Diagnostics at Michigan State University, Prof. Kodur is also at the forefront of spreading knowledge.

He is a recipient of prestigious awards including the NRCC (Government of Canada) Outstanding Achievement Award and NATO Award for collaborative research.

Invitation to Participate

We are pleased to invite you to the 3rd R N Raikar Memorial International Conference. The mission is to introduce the participants to cutting edge technologies in the field of concrete and concrete construction and to facilitate technology transfer in appropriate areas. A galaxy of foreign experts will enlighten the audience. Two towering personalities, Prof. Ravindra Gettu and Prof. Venkatachalam Kodur will be felicitated by convening an international symposium in their honour.

ACI is graciously co-hosting this international event and a host of other international technical bodies have offered their support.

Technical papers submitted by various participating countries at the last conference were evaluated by a worldwide editorial board for inclusion in the prestigious International Journal of Construction & Building Materials (UK) and Alconpat Revista (Latin America). This feature was the first of its kind for a conference organised in India, and ICACI is endeavouring to repeat it for the forthcoming R N Raikar conference.

Mr. M. A. Jacob and Mr. Umesh Magar, Co-Chairs of the conference, along with Conference Mentors Prof. P. A. M. Bashir and Prof. Nemkumar Bhatia join us in inviting you to this technical extravaganza.

Topics for Conference

**Novel cements and advanced materials**
- Advances in science and technology of cement, admixtures and concrete
- Advances in material concept and tailored properties
- Material science of cement and concrete
- New cements
- Concrete with recycled materials
- SCC
- Ultra high performance concrete
- Energy efficient process and materials
- Nano materials
- Phase change materials (PCM)
- Permeable concrete
- Green concrete
- Underwater concrete
- Hot weather/cold weather concreting
- Heavy density concrete
- Fibr reinforced concrete

**Performance in service, prediction of service life and the cycle analysis**
- Sustainability of concrete
- Durability of concrete
- Innovative solutions for corrosion prevention of rebars
- Improved performance for shrinkage cracking
- Transport properties
- Structural health monitoring
- Smart materials

**Structural and civil engineering applications**
- Advances in structural and civil engineering applications
- Research and current developments
- Innovative & cost effective fire resistant solutions
- Seismic retrofitting
- Quality control related to concrete structures
- Dismantling of structures
- Concrete construction & maintenance of structures in different fields of infrastructure, such as:
  - Aviation Structures
  - Railways
  - Ports and Harbors
  - Nuclear Plants
  - Innovative therapies & practices in structural designs

**Characterization, testing and monitoring materials and their properties and associated modeling**
- Advances in testing material properties
- Experimental analysis of concrete structures
- Monitoring concrete properties during construction
- Non destructive testing
- Sensors
- Advances in material modeling, fresh state to early age to fracture and damage mechanics
- Advanced models from nano to macro scale
- Multi-scale modeling
- Advanced software

and other related topics...

Conference Mentors

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

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

International Organizing Committee (IOC)

Dr. Ekkaso Limswan
Dr. Christopher KY Leung
Dr. Libereco Ferrara
Prof. Mukesha Limbaichiyi
Prof. P. S. Sukontasukkul
Prof. Pedro Castro Borges
Dr. Pierre Rossi
Prof. A. K. Bahadur
Prof. Alejandro Durán Herrera
Prof. Michael Grachysh
Prof. Narayan Naik
Prof. Dr. Vassil Musharbash
Prof. P. S. G. R. Suresh
Prof. Salah Touil
Prof. Babu, Lal Sarda
Prof. M. S. Durmus
Prof. Nihat Ozyurt Znhrioglu
Dr. Indubhusan Patra
Dr. Kazuomi Fujikake
Dr. Crăciun Zanoti
Dr. Olga Rito
Dr. Mohammad Nagi
Dr. Prof. Klaas Van Breugel
Dr. Roger West
Dr. Barjaj Mehta
Dr. Rashidi Gupta
Prof. Shameim A. Sheikh
Dr. Ashok Kakade
Dr. Bryan Magie
Prof. Prasad Rao Ramgurumar
Dr. Manohar Sappathiapakorn
Dr. M. Sharada Abhim
Prof. Vivek Bindiganavale
Australia
Japan
Canada
Belgium
UK
Netherlands
Ireland
Canada
Canada
Thailand
Canada
USA
Canada
China
Egypt
Australia
Canada
UK
Israel
China
Japan
UK
Canada
Hong Kong

Prof. Gaurav N. Sant
Prof. John E. Bolander
Dr. Ahmad Abdalrezaq
Prof. Koji Sakai
Dr. Lai Chung
Dr. Vellore R. Gopalaswamy
Dr. Robert Lewis
Dr. Nassar Darmish
Dr. Aftab Mughal
Prof. Avin Prabhu
Prof. Gajju Shikha
Prof. Hiroo Takada
Prof. Peter Robey
Prof. Zonglin Li
USA
USA
Korea
Japan
Korea
USA
UK
Canada
Canada
Australia
USA
UK
Canada
Hong Kong
R N Raiker Conference Series

Mr. R. N. Raiker was the unifying light showing path and direction to the India Chapter of American Concrete Institute (ICAI). From its inception in 1979, till his untimely departure on 8th March 2008, his unifying efforts catapulted ICAI into a national body for concrete excellence. Under his able leadership (ICAI) won several Excellent Chapter Awards from parent body. ACI – a feat it continues to achieve to date.

The ACI in its centenary 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 Raiker conference series aim to salute global concrete icons of Indian origin. Prof. Surendra Shah, Prof. P. A. M. Basheer and Prof. Nemkumar Banthia have been felicitated at this prestigious platform over the years.

Gettu Kodur International Symposium

Having worked for over a decade in Spain, as a researcher and Director of the Structural Technology Laboratory of the Universitat Politècnica de Catalunya, Prof. Gettu returned home and is currently Professor, Department of Civil Engineering, IIT Madras.

He has over 1420 citations, 125 international publications and scores of students studying under his guidance.

Prof. Gettu is the first Asian to hold the position of Vice-President in one of the world’s most prestigious international bodies of concrete research – RILEM.

A distinguished personality in the field of Fire Engineering, Prof. Kodur was part of the FEMA/ASCE Building Performance Assessment Team that studied the collapse of WTTC buildings as a result of September 11 incidents.

As Professor and Chairperson, Department of Civil & Environmental Engineering, as well as Director, Centre on Structural Fire Engineering & Diagnostics at Michigan State University, Prof. Kodur is always at the forefront of spreading knowledge.

He is a recipient of prestigious awards including the NRCC (Government of Canada) Outstanding Achievement Award and NATO Award for collaborative research.

Invitation to Participate

We are pleased to invite you to the 3rd R N Raiker Memorial International Conference. The mission is to introduce the participants to cutting edge technologies in the field of concrete and concrete construction and to facilitate technology transfer in appropriate areas. A galaxy of foreign experts will enlighten the audience. Two towering personalities, Prof. Ravindra Gettu and Prof. Venkatakesh Kodur will be felicitated by convening an international symposium in their honour.

ACI is graciously co-hosting this international event and a host of other international technical bodies have offered their support.

Technical papers submitted by various participating countries at the last conference were evaluated by a worldwide editorial board for inclusion in the prestigious International Journal of Construction & Building Materials (UK) and Alconpat Revista (Latin America). This feature was the first of its kind for a conference organised in India, and ICACI is endeavouring to repeat it for the forthcoming R N Raiker conference.

Mr. M. A. Jacob and Mr. Umesh Magar, Co-Chairs of the conference, along with Conference Mentors Prof. P. A. M. Basheer and Prof. Nemkumar Banthia join us in inviting you to this technical extravaganza.

Topics for Conference

Novel cements and advanced materials

- Advances in science and technology of cement, admixtures and concrete
- Advances in material concept and tailored material properties
- Material science of cement and concrete
- New cements
- Concrete with recycled materials
- SCC
- Ultra high performance concrete
- Energy efficient process and materials
- Nano technology
- Phase change materials (PCM)
- Permeable concrete
- Green concrete
- Underground concrete
- Hot weather/cold weather concreting
- Heavy density concrete
- Fissures reinforced concrete

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

- Sustainability of concrete
- Durability of concrete
- Innovative solutions for corrosion prevention of rebars
- Improved performance for shrinkage cracking
- Transport properties
- Structural health monitoring
- Smart materials

Structural and civil engineering applications

- Advances in structural and civil engineering applications
- Research and current developments
- Innovative & cost-effective fire resistant solutions
- Seismic retrofitting
- Quality control related to concrete structures
- Dismantling of structures
- Concrete construction & maintenance of structures in different fields of infrastructure, such as:
  - Aviation Structures
  - Railways/Waterways
  - Ports and Harbours
  - Nuclear Plants
- Innovative therapies & practices in structural designs

Characterization, testing and monitoring materials and their properties and associated modeling

- Advances in testing material properties
- Experimental analysis of concrete structures
- Monitoring concrete properties during construction
- Non destructive testing
- Sensors
- Advances in material modeling, fresh state to early age to fracture and damage mechanics
- Advanced models from nano to macro scale
- Multi-scale modeling
- Advanced software

Conference Mentors

Prof. Surendra Shah is a Walter P. Murphy Professor of Civil Engineering at Northwestern University (Evanston), IL. 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 Mathur is a Scientist Emeritus at CANMET, Ottawa, Canada. He is a former Chair of the ACI Board of Directors, and is active in the technical committees of ACI and ASTM. Prof. Mathur is an honorary member of ACI and Concrete Society of the UK, and a Fellow of ASTM and Engineering Institute of Canada.

International Organizing Committee (IOC)

Mr. Parthiv Shah, President, India Chapter of ACI

Dr. Essak Limswan
Dr. Christopher KY Leung
Dr. Libenato Ferrara
Prof. Mukesh Limbachiya
Prof. Pittokin Suttiwattikul
Dr. Pedro Castro Borges
Dr. Piero Rosi
Prof. Alejandro Durán Herrera
Dr. Michael Grantham
Prof. Narayanan Neelakhand
Dr. Vlas Mijumar
Prof. B. Dasaratharao
Prof. Sahid Toubal
Dr. Bekei Prosper Ken
Dr. Nifeliz Ozyurt Zhitrigolu
Dr. Indubhusan Patnaiiluk
Dr. Kazunori Fujikake
Dr. Cristina Zanotti
Dr. Olga Ria
Dr. Mohammad Nagi
Prof. Klaas Van Breguil
Prof. Roger West
Dr. Sajay Mehta
Dr. Rishi Gupta
Prof. Shavinan A. Sheik
Dr. Ashok Kakade
Dr. Bryan Magie
Prof. Prasad Rao Ramaguru
Dr. Manoj Sappakkilipakkam
Dr. M. Shinoda Abin
Prof. Vivek Bindiganavile

Prof. Gaurav N. Sant
Prof. John E. Bolander
Dr. Amidul caravan
Prof. Koji Sakai
Prof. Jumi Son
Dr. Sohokhan Choi
Dr. Dae Sung Kim
Dr. Lee Chung
Dr. Vellore B. Gopalakrishnan
Dr. Robert Lewis
Dr. Nassir Daneshvar
Dr. Atta Moul
Prof. Alva Pekel
Prof. Caixiong C. Shi
Prof. Hiroto Takada
Prof. Peter Robley
Prof. Zongli Li

Jos. D. K. Marjiraker
Chair & Past President, India Chapter of ACI
### Important Dates

- **Last date of abstract submission**: 1st October 2017
- **Review of abstract by Scientific Committee**: 1st November 2017
- **Last date of Paper submission**: 1st May 2018
- **Review of paper by Scientific Committee**: 1st July 2018
- **Last date of Final paper submission**: 1st September 2018

### Delegate Fees

<table>
<thead>
<tr>
<th>Category</th>
<th>Fees (INR)</th>
<th>Fees (USD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indian delegates</td>
<td>12,000</td>
<td>500</td>
</tr>
<tr>
<td></td>
<td>13,500</td>
<td>625</td>
</tr>
<tr>
<td>International delegates</td>
<td>500 + GST</td>
<td>625 + GST</td>
</tr>
</tbody>
</table>

- 25% discount - for main authors
- 50% discount - for students
- 10% discount - for members of ICACI and supporting organisations

### Tours

Explore India’s tours available for delegates and their spouses.

### Mode of Payment

By cheque or demand draft payable at Mumbai in favour of “India Chapter of ACI”.

For electronic transfer

<table>
<thead>
<tr>
<th>IFSC Code</th>
<th>Bank Name</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDIB000M008</td>
<td>Indian Bank, Mahim Branch, Mumbai 400 016.</td>
<td>1, 1A Raj Mahal CHS., Plot No: 542, MMC Road, Mahim (West), Mumbai: 400 016</td>
</tr>
</tbody>
</table>

Online Registration can be done at www.icaci.com

### Conference Details

**3rd R N Raikar Memorial International Conference**

&

**Gettu-Kodur International Symposium**

**on ADVANCES IN SCIENCE & TECHNOLOGY OF CONCRETE**

14-15 December 2018, Mumbai

**Organised by**

India Chapter of American Concrete Institute

**Co-Hosted by**

American Concrete Institute

**Website**: www.icaci.com | **Email**: info@sunandaglobal.com | **infoicaci@gmail.com**

2-3, Nagree Terraces, Soonawala Agiary Road, Mahim (West), Mumbai 400 016, India Tel : +91-22-2446 9175/2446 0760

**INDIA CHAPTER OF AMERICAN CONCRETE INSTITUTE**