

# 3<sup>rd</sup> International Conference on Calcined Clays for Sustainable Concrete

15-17 October 2019 | New Delhi, INDIA



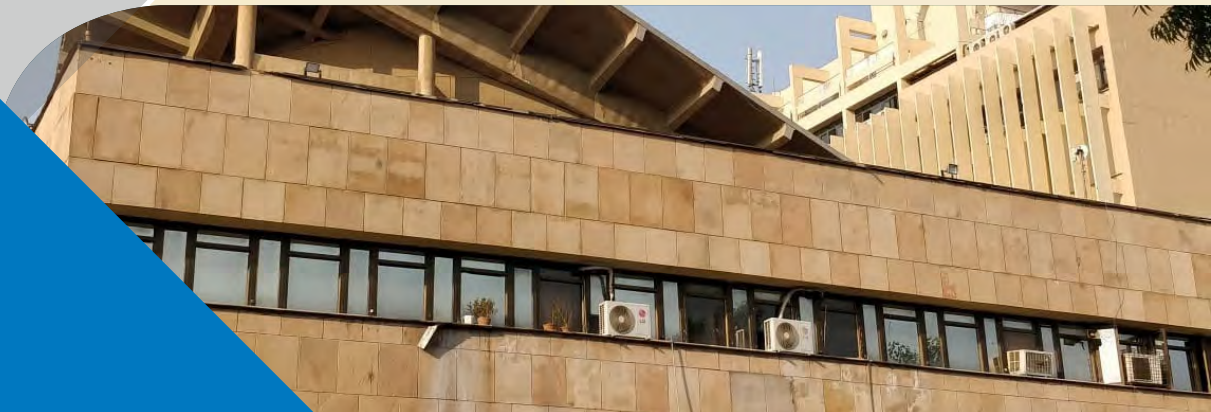
Organised by -  
Indian Institute of Technology Delhi  
New Delhi, INDIA

[lc3.cimglobal.net](http://lc3.cimglobal.net)

# Introduction and Scope

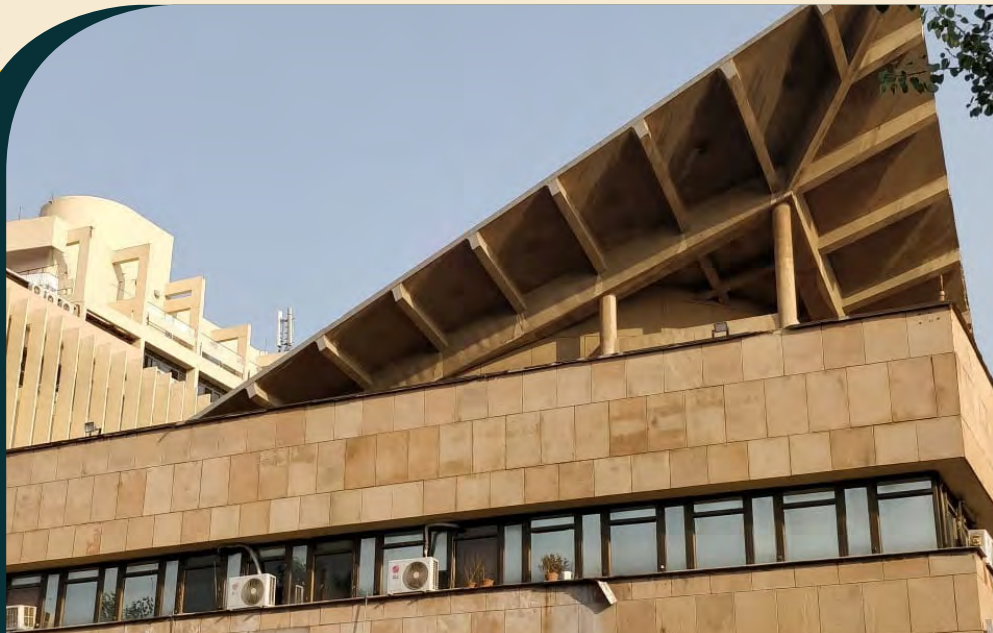
The most viable option for sustainability in cement industry is blending of cement clinker with supplementary cementitious materials (SCMs). But the availability of common SCMs such as fly ash and slag is limited. Calcined clays are promising as SCMs to meet the future demand of the cement industry.

This conference aims to follow up on the scientific studies and experiences of the application of calcined clays in cement and concrete construction.



# Topics will include

- » Influence of processing on reactivity of calcined clays
- » Influence of clay mineralogy on reactivity
- » Geology of clay deposits
- » Portland calcined clay systems: hydration, durability, and performance
- » Portland - calcined clay - limestone systems: hydration, durability, and performance
- » Calcined clay - alkali systems: hydration, durability, and performance
- » Life cycle analysis, economics and environmental impact of use of calcined clays in cement and concrete
- » Field applications
- » Clay in general construction
- » Calcined clay - new blends



# Registration & Important Dates

## Important Dates

Abstracts Deadline	January 31, 2019
Acceptance Notification	February 10, 2019
Final Paper	April 10, 2019
Early Bird Registration Deadline	May 31, 2019
Registration Deadline	August 31, 2019

# Dates are subjected to change

# For further updates refer website: [lc3.cimglobal.net](http://lc3.cimglobal.net)

## Registration Fee

Category	Early Bird*	Regular
International Participants	USD 700	USD 850
Indian Participants	INR 17,000	INR 20,000
International Students	USD 600	USD 700
Indian Students	INR 10,000	INR 12,000

\* Early bird date for registration: May 31, 2019

#Further details on payment can be seen on the website: [lc3.cimglobal.net](http://lc3.cimglobal.net)

# About us

After the two successful conferences held in Lausanne (2015) and Havana (2017), Indian Institute of Technology Delhi will be organising the 3<sup>rd</sup> International Conference on Calcined Clays for Sustainable Concrete in the capital city of New Delhi, India. On behalf of the organising committee, it is with great pleasure that we invite you to join us from 15<sup>th</sup> to 17<sup>th</sup> of October 2019 and be a part of this important scientific conference.

The venue of the conference is India Habitat Centre, which is renowned for

its architectural excellence in the busy metropolis. With a rich history going back many centuries, the city showcases an ancient culture and a rapidly modernizing country where the past and the present meld seamlessly together. Delhi is well connected internationally and domestically by the state-of-the-art Indira Gandhi International (IGI) Airport. The close proximity to the world-renowned tourist destinations such as Taj Mahal and the pink city of Jaipur gives you an added appeal to visit.

*(Image source: Delhi Tourism, Government of NCT of Delhi.)*





# Keynote Speakers



## **Karen Scrivener**

Karen Scrivener is professor and head of Laboratory of Construction Materials at the Swiss Federal Institute of Technology (EPFL) based in Lausanne, Switzerland. She is Editor-in-Chief of Cement and Concrete Research journal. Her research interests are the hydration of cementitious materials, the interfacial transition zone in concrete etc.



## **Jørgen Skibsted**

Jørgen Skibsted is professor at the Department of Chemistry, University of Aarhus, Denmark. His research interests are materials science (nanostructured materials, cement-based materials, and heterogeneous catalysts), solid-state NMR spectroscopy, inorganic and physical chemistry etc.



## **Fernando Martirena**

Fernando Martirena is the director of CIDEM (Center for Research & Development of Structures and Materials) at the Universidad Central de las Villas in Santa Clara, Cuba. His research interests are research and investigation of materials, specifically alternative cement and cement products.



## **Manu Santhanam**

Manu Sanathanam is professor at the Department of Civil Engineering, Indian Institute of Technology Madras, Chennai, India. His research interests are special Concrete, admixtures, durability, non-destructive evaluation and cement chemistry.

*And many more...*

# Scientific Committee

Adrian Alujas	Universidad Central de las Villas, Cuba
Anjan Chatterjee	Conmat Technologies Pvt. Ltd., India
Fernando Martirena	Universidad Central de las Villas, Cuba
Guillaume Habert	ETH, Switzerland
Jorgen Skibsted	University Aarhus, Denmark
Karen Scrivener	EPFL, Switzerland
L. P. Singh	Central Building Research Institute, India
Manu Santhanam	Indian Institute of Technology Madras, India
Mathieu Antoni	Lafarge Holcim, Switzerland
Pengkun Hou	SMSE, University of Jinan, China
Prakash Nanthagopalan	Indian Institute of Technology Bombay, India



Radhakrishna Pillai	Indian Institute of Technology Madras, India
Ravindra Gettu	Indian Institute of Technology Madras, India
Sanjeev Chaturvedi	NCCBM, India
Shashank Bishnoi	Indian Institute of Technology Delhi, India
Soumen Maity	TARA, India
Sui Tongbo	Sinoma International, China
Vanderley M. John	Sao Paulo University, Brazil
Zhonghe Shui	Wuhan University of Technology, China



**5<sup>th</sup> Stakeholder Meeting on  
Limestone Calcined Clay  
Cement**

Limestone  
Calcined  
Clay  
Cement

**LC<sup>3</sup>**

Introduction to  
LC<sup>3</sup> Technology Resource Centre

6<sup>th</sup> February, 2018  
India Habitat Centre | New Delhi

Indian Institute of Technology  
Madras



Centre for  
Sustainable  
Infrastructure  
and  
Construction

Centre for  
Sustainable  
Infrastructure  
and  
Construction

Centre for  
Sustainable  
Infrastructure  
and  
Construction

Centre for  
Sustainable  
Infrastructure  
and  
Construction

Centre for  
Sustainable  
Infrastructure  
and  
Construction

Centre for  
Sustainable  
Infrastructure  
and  
Construction

Centre for  
Sustainable  
Infrastructure  
and  
Construction

Centre for  
Sustainable  
Infrastructure  
and  
Construction

Centre for  
Sustainable  
Infrastructure  
and  
Construction

Centre for  
Sustainable  
Infrastructure  
and  
Construction

Centre for  
Sustainable  
Infrastructure  
and  
Construction

Centre for  
Sustainable  
Infrastructure  
and  
Construction

Centre for  
Sustainable  
Infrastructure  
and  
Construction

Centre for  
Sustainable  
Infrastructure  
and  
Construction

Centre for  
Sustainable  
Infrastructure  
and  
Construction

Centre for  
Sustainable  
Infrastructure  
and  
Construction

Centre for  
Sustainable  
Infrastructure  
and  
Construction

Centre for  
Sustainable  
Infrastructure  
and  
Construction

Centre for  
Sustainable  
Infrastructure  
and  
Construction





# Venue and Accommodation

## India Habitat Centre, New Delhi, India

The India Habitat Centre (IHC) is located in the heart of New Delhi right next to the historic Lodhi Gardens, which is a real haven of tranquility and peace in the middle of the hustle and bustle of the city. Spread over an area of nine acres, the IHC campus has been designed and built by Joseph Stein, Doshi and Bhalla who have created an island of architectural excellence in the busy metropolis of India's capital city. IHC was conceived to provide a physical environment, which would serve as a catalyst for a synergetic relationship between individuals and institutions working in diverse habitat related areas and would therefore maximize their total effectiveness. To facilitate this interaction, the centre provides a superb range of facilities such as conference venues, auditoria, hospitality

areas, the library and resource centre, and art galleries. The landscaping, horticulture and fountains add to the pleasing ambience of the campus. *(Source: India Habitat Centre)*



**Address:** India Habitat Centre,  
Lodhi Road, New Delhi - 110003

[www.indiahabitat.org](http://www.indiahabitat.org)



**Jacaranda Hall**  
Elegantly carpeted, Jacaranda could be used as one large space or further divided into two independent units. Ideal for corporate meetings, seminars, workshops and fine parties.



**Gulmohar Hall**  
A large fixed seating hall with excellent acoustics and state-of-the-art multimedia facilities.

## Suggested Hotels near India Habitat Centre

Hotel Name	Category	Room Inventory	Approx. Distance		Address
			from IGI Airport	from IHC	
The Claridges	5 Star	140	18 km	2 km	Dr APJ Abdul Kalam Road, New Delhi
Taj Ambassador	5 Star	80	20 km	1 km	Subramaniam Bharti Marg, Khan Market, New Delhi
Royal Plaza	4 Star	250	20 km	5.2 km	Ashoka Road, New Delhi
Park Inn Radisson	4 Star	68	19.5 km	4 km	1 & 2, Ring Rd, Vikram Vihar, New Delhi
Ahuja Residency	3 Star	25	22.5 km	2 km	Sundar Nagar, New Delhi
Bloomroom	3 Star	30	21 km	3 km	Link Road, New Delhi

# Delegates are free to choose and book a hotel of their choice.

# Do check website for regular updates: [lc3.cimglobal.net](http://lc3.cimglobal.net)

Supported by:



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Swiss Agency for Development  
and Cooperation SDC

Partners:



Limestone  
Calcined  
Clay  
Cement **LC<sup>3</sup>**



### Organising Chairman

**Dr. Shashank Bishnoi**  
Associate Professor  
V-218, Department of Civil Engineering  
Indian Institute of Technology Delhi  
Hauz Khas, New Delhi 110016, India

### Organising Team

Mr. Lav Singh  
Email: [lc3.iitd@gmail.com](mailto:lc3.iitd@gmail.com)

### Conference Manager

**CIMGLOBAL**

Suite No. 309-311,  
DLF City Court  
MG Road Gurgaon 122 004,  
Haryana, India

[www.lc3.ch](http://www.lc3.ch)  
[lc3.cimglobal.net](http://lc3.cimglobal.net)

