



*Second Announcement and call for papers for*  
**Second International Conference on  
Advances in Materials and Techniques  
in Civil Engineering**

**ICAMAT – 2014**

January 9-11, 2014

Organized by



Department of Civil Engineering

**Sri Krishna College of Technology**

Kovaipudur, Coimbatore - 641042

E-Mail : [icamat2014@gmail.com](mailto:icamat2014@gmail.com)

In association with



**The Institution of Engineers (India)**  
Coimbatore Centre



**The Indian Concrete Institute**  
Chennai



**Association of Consulting Civil Engineers**  
India



**PTK Architects**  
Chennai

# Profile of the Organising Institution

Sri Krishna College of Technology, Coimbatore, a private Co-Educational Engineering College was started in 1985 under the auspicious of VLB educational Trust, a Charitable Educational Trust located in a congenial environment just 6 Km from the city limits and 7Km from Coimbatore - Palakkad National Highway. The college campus spreads over a sprawling 130 acres and is well developed with black topped roads, sodium vapour lamps, drainage, adequate power and water supply. With dedicated efforts for two decades, and is currently offering 7

UG and 6 PG programmes. All the UG programs and one PG program were accredited in 2013 by the National Board of Accreditation. The college is supported by 300 members of teaching and supporting staffs.

The college has very good infrastructure facilities which go beyond the curriculum requirements. The centre for counseling and placement at SKCT provides personal and career-related support to its students. The educational experience at the college is enlivened and enriched by an array of extra-curricular activities to fulfill the cultural and emotional needs of students. A good number of ranks at University Examinations are being secured by the students every year. The college has attained its Autonomous status in the year 2011.



## Preamble

This International Conference on Advances in Materials and Techniques in Civil Engineering 2014 (ICAMAT – 2014) will be held in Sri Krishna College of Technology from January 9 – 11<sup>th</sup>, 2014. Progress of Science and Technology in the past decades has made enormous contributions to all walks of life. Research has played an indispensable role in many useful developments. Pursuit of newer and innovative ideas has no limits and therefore activities of research have to continue and grow. The aim of this conference is to discuss topics ranging from technical in Civil Engineering concepts to social and economic issues, and to exchange experience and knowledge between people from industry and academia around the world. The different themes of the conference have been selected accordingly.

## Conference Topics

- ✧ Developments in Concrete Technology
- ✧ Recent advances in Reinforced and Prestressed Concrete
- ✧ Software Applications in Civil Engineering
- ✧ Nanotechnology in Civil Engineering
- ✧ Civil Engineering Materials including Smart materials
- ✧ ANN and Genetic Algorithm Application in Civil Engineering
- ✧ GIS and Remote Sensing in Developments
- ✧ Earthquake and Structures
- ✧ Soil Structure Interaction
- ✧ Earth Structure and Ground Improvement Technology
- ✧ Water, Waste water Treatment and Pollution control Techniques
- ✧ Recycling of waste and its Management
- ✧ Disaster, Mitigation and Role of Civil Engineer
- ✧ Traffic Engineering and its management
- ✧ Modern Project Management Practices & Construction Technology
- ✧ Civil Engineering in the future



## Organising Committee

### Chief Patron

**Ms. S. Malarvizhi**

Chairperson and  
Managing Trustee

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Advisor, SKCT

**Dr. G. Ramesh**

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**Dr. G. Chandra Mohan**

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### Co-Chairman

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Professor, Civil Engineering

### Organising Secretary

**Dr. P. Muthupriya**

Associate Professor, Civil Engineering

### Treasurer

**Dr. Jino John**

Associate Professor, Civil Engineering

## Registration Fee

	On or before Nov. 6, 2013	After Nov. 6, 2013
<b>South Asian Countries (Amount in Indian rupees)</b>		
Students	2500	2500
Academic Institutions	3000	3500
Industry and R&D Organisations	4000	4500
<b>Other than South Asian Countries (Amount in US Dollars)</b>		
Students	200	250
Others	400	450

Participation fee without any publication - Rs. 1500/- (It includes Conference Proceedings, Conference Kit and Lunch for 3 days)

Registration fee can be paid either by Demand Draft drawn in favour of "The Principal, SKCT" payable at Coimbatore or by bank transfer

## International / National Advisory Committee Members

<b>Prof. V. Ramakrishnan</b> Distinguished Professor Emeritus South Dakota School of Mines and Technology, South Dakota, USA	<b>Dr. A. Boominathan</b> Professor Indian Institute of Technology Madras, Chennai
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<b>Worsak Kanok-Nukulchai</b> Dean and Professor, School of Engineering and Technology Asian Institute of Technology Thailand	<b>Dr. S. Chandrakaran</b> Professor National Institute of Technology Calicut

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<b>Muhammad Hadi</b> Associate Professor in Civil / Structural Engineering University of Wollongong Australia	<b>Dr. J.V. Ramasamy</b> Dean, Civil Engineering PSG College of Technology Coimbatore.
<b>Nemkumar Banthia</b> Professor The University of British Columbia Canada	<b>Dr. G. Sankarasubramanian</b> Professor, Department of Civil Engineering PSG College of Technology Coimbatore
<b>Dr. S. Neelamani</b> Research Scientist & Program Manager Kuwait Institute for Scientific Research KUWAIT	<b>Dr. K. Subramanian</b> Professor & Head Coimbatore Institute of Technology Coimbatore
<b>Dr. S. Nagan</b> Associate Professor Thiagarajar College of Engineering Madurai	<b>Dr. P.D. Arumairaj</b> Professor Government College of Technology Coimbatore
<b>Dr. L.S. Jayagopal</b> Managing Director Mithran Structures Coimbatore	<b>Dr. R. Veera Sudarsana Reddy</b> Principal, Sri Venkateswara Institute of Science and Technology Andhra Pradesh, India
<b>Dr. T. Meenambal</b> Professor Government College of Technology Coimbatore	<b>Dr. B.G. Vishnuram</b> Principal, Easa College of Engineering & Technology Coimbatore
<b>Dr. R. Kumutha</b> Dean (PG), Civil Engineering Sona College of Technology, Salem	<b>Dr. R. Suresh Babu</b> PTK Architects Chennai



## Performance of Structures Made with Synthetic Structural Fiber Reinforced Concrete



**Prof. V. Ramakrishnan**  
Distinguished Professor Emeritus  
South Dakota School of Mines and Technology  
South Dakota, USA

## Use of Basalt Fibres in Concrete



**Dr. Indubhushan Patnaikuni**  
School of Civil, Environmental and  
Chemical Engineering  
RMIT University, Australia

## Mitigation of Internal Sulfate Attack in New and Old Concrete



**Amde M. Amde**  
Professor, Structural Engineering  
Department of Civil and Environmental  
Engineering University of Maryland, USA

## Properties & Applications of High Volume SFRC Composites



**Dr. V.S. Parameswaran**  
CEO & President, Design Technology  
Consultants Advisor & Adjunct Professor  
ACE Engg. College, Hyderabad

## Studies on Hybrid Fibre Reinforced Concrete



**Dr. N. Ganesan**  
Professor and Head  
Department of Civil Engineering  
National Institute of Technology, Calicut

## Stiffness studies on GFRP Composite Bridge Deck Panels and Fatigue loading



**Dr. R. Veera Sudarsana Reddy**  
Principal, Sri Venkateswara Institute of  
Science and Technology,  
Andhra Pradesh, India

## Earthquakes-Oceans - Coastal Zone Protection with special reference to Tamilnadu Coast



**Dr. Venkatareddy**  
Professor, Department of Civil Engineering  
National Institute of Technology  
Suratkal, Karnataka

## Soil Structure Interaction



**Dr. P.D. Arumairaj**  
Professor, Department of Civil Engineering  
Government College of Technology  
Coimbatore

## Reinforced Geopolymer Concrete Members



**Prof. B. Vijaya Rangan**  
Emeritus Professor of Civil Engineering  
Curtin University Perth  
Australia

## Design of Foundation for Seismic Loads



**Vijay Puri**  
Professor, Department of Civil Engineering  
Southern Illinois University  
USA

## Advances in Materials and Methods of Construction in India



**Dr. A.R. Santhakumar**  
Emeritus Professor  
Centre for Disaster Mitigation and Management  
Anna university, Chennai

## Logic and Reality of Certain Structural Concepts



**Dr. L.S. Jayagopal**  
Managing Director  
Mithran Structures  
Coimbatore

## Influence of Fabric Structure and Efficiency of Textile Reinforcements on the Flexural behaviour of RC Beams.



**Dr. K. Subramanian**  
Professor & Head  
Coimbatore Institute of Technology  
Coimbatore

## Research Opportunities in Civil Engineering



**Mr. Hafeez Basha**  
Vice President  
Basha Research Corporation, Hyderabad

## Contact Address

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Organising Secretary, ICAMAT-2014

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