

## Preface

The sixth edition of the AICERA series was organized by the Department of Civil Engineering with the title theme 'International Conference on Innovations in Structural Engineering and Construction' (icISEC) from 29 to 30 July 2016. The conference was targeted to bring engineers, academicians, scientists, industry researchers, research scholars and students on a common platform to present, discuss and share their experiences and research innovations on the recent developments in the broadened field of Structural Engineering, Construction Materials and Management. The topics of interest include advancements in analysis, modeling and design of structures, structural stability and dynamics, innovative structural monitoring, repair and strengthening, structural conservation, earthquake engineering, soil structure interaction, advanced construction techniques and its management, recycling of concrete and new trends in concrete technology.

### Editors

Dr. Mini Mathew, Dr. Soney C. George & Prof. George M. Varghese

## Technical Committee

1. Dr. Konstantin Kovler, Assoc. Professor, Department of Structural Engineering and Construction Management, Faculty of Civil and Environmental Engineering, Technion - Israel Institute of Technology, Haifa, 32000, Israel.
2. Dr. P.A. Muhammed Basheer, Chair of Structural Engineering, School of Civil Engineering, University of Leeds, United Kingdom.
3. Dr. Robert Kayen, Department of Civil & Environmental Engineering, 5732 Boelter Hall, University of California at Los Angeles, Los Angeles.
4. Dr. P.R. Kannanrajkumar, Assistant Professor (Senior Grade), Department of Civil Engineering, Faculty of Engineering and Technology, SRM University, Kattankulathur, Tamilnadu, India.
5. Dr. Sabu Thomas, Director, School of Chemical Sciences, Mahatma Gandhi University, Kottayam, Kerala.
6. Dr. John P. Forth, Chair in Concrete Engineering and Structures, School of Civil Engineering, University of Leeds, Woodhouse Lane, Leeds, LS2 9JT, UK.
7. Dr. Chandra Kishan, Department of Civil Engineering, Indian Institute of Science, Bangalore, India.
8. Dr. Robin Davis P., Department of Civil Engineering, National Institute of Technology, Roorkala, India.
9. Dr. Govardhan Bhat, Assistant Professor, Department of Civil Engineering, National Institute of Technology Raipur, India.
10. Dr. Meena Murmu, Civil Engineering Department, National Institute of Technology, Raipur, India.
11. Dr. Murari Varma, Assistant Professor, Department of Civil Engineering, Birla Institute of Technology and Science Pilani Birla Institute of Technology and Science Pilani, Hyderabad Campus, India.
12. Dr. Devdas Menon, Professor, Department of Civil Engineering, Indian Institute of Technology, Madras, Chennai 600036, India.
13. Mr. Babu Thomas, Principal Engineer, Consulting Engineers, Suite 29, Level 4, 25 Walters Drive, Osborne Park, WA 6017.
14. Dr. Zubair Syed, Assistant Professor of Civil Engineering, College of Engineering, Abu Dhabi University, Abu Dhabi, UAE.
15. Dr. Arindam Gan Chowdhury, Associate Professor, Department of Civil & Environmental Engineering, Florida International University, Miami, USA.
16. Dr. Biju George, Senior Research Fellow, Department of Infrastructure Engineering, University of Melbourne, Australia.
17. Aravind Krishna Swamy, Ph.D, Assistant Professor, Department of Civil Engineering, Indian Institute of Technology Delhi, Hauz Khas, New Delhi – 110016.
18. Dr. Job Kurian, Dean, Industrial Consultancy & Sponsored Research, Indian Institute of Technology, Madras, India.
19. Dr. J. Babu, Dean of Research, St. Joseph's College of Engineering and Technology, Kerala, India.

20. Prof. K. Vijayan, Professor, Department of Automobile Engineering, Amal Jyothi College of Engineering, Kerala.
21. Dr. K.G. Samuel, Professor, Department of Metallurgy, Amal Jyothi College of Engineering, Kerala.
22. Dr. Soney C. George, Department of Nano technology, Amal Jyothi College of Engineering, Kerala.
23. Dr. Deepa G. Nair, Associate Professor, School of Engineering, CUSAT, Kerala, India.
24. Dr. Sudhakuma, Professor, Department of Civil Engineering, National Institute of Technology, Calicut, Kerala - 673 601, India.
25. Prof. Roy M. Thomas, Associate Professor, Department of Civil Engineering, Cochin University, Kerala, India.
26. Dr. Thomas Attard, Associate Professor, Department of Civil, Construction, and Environmental Engineering, School of Engineering, The University of Alabama at Birmingham, Birmingham, AL 35294.
27. Dr. Anitha G. Pillai, Professor & Head, Department of Civil Engineering, SCMS School of Engineering & Technology, Karukutty, Kerala.
28. Prof. Neeraja D, Associate Professor, Structural Engineering, VIT- Veloor, India.

## Sponsors

