



International Workshop on Textile Reinforced Concrete (TRC) Systems

2nd K.P. Pradeep Symposium on Pioneering Science and Development for Construction

Dedicated to Prof. Wolfgang Brameshuber

Monday, September 4th, 2017 | Central Lecture Theatre | IIT Madras, Chennai, India
Pre-conference Workshop, RILEM Week
www.rilem2017conference.org

ABOUT THE WORKSHOP

Textile reinforced concrete (TRC) is an innovative composite with high strength textiles embedded in fine grained concrete. The non-corrosive nature of the textiles, made of fibers such as alkali resistant glass or carbon, makes the composite a unique replacement to conventional steel reinforced concrete, in certain applications. These composites are advantageous where they can be used as thin sections, without compromising strength and durability. The applications of TRC are suitable for a wide spectrum of architectural and structural elements, including repair and retrofit of concrete and masonry structures. The workshop will include lectures on recent developments, applications and prospects of TRC, and will serve as a platform for discussing the challenges and solutions in this domain.

SPEAKERS/ Topics

- **Gözdem Dittel** (ITA RWTH Aachen, Germany)/ TRC Today
- **Thomas Heiermann** (IBAC RWTH Aachen, Germany)/ Restoration with TRC
- **Mohit Raina** (Raina Industries Pvt. Ltd., India) / TRC in the Asian sub-continent
- **Magdalena Kimm** (ITA RWTH Aachen, Germany)/ TRC Tomorrow
- **Smitha Gopinath** (CSIR-SERC, India)/ TRC Prototyping Technology
- **Viktor Mechtcherine** (TU Dresden, Germany)/ Engineering of TRC for Performance Enhancement
- **Prashant Gudur** (Saint Gobain, India)/ Retrofitting of masonry structures
- **Ravindra Gettu** (IIT Madras, India)/ Challenges in the Characterization of TRC

ABOUT THE HONOUREES

Mr. K.P. Pradeep was founding editor and publisher of the renowned magazine, *The Master Builder*. He was decorated with numerous awards and honours such as Udyog Rattan and Excellence award from the Institute of Economic Studies, four Vishwakarma Awards from Construction Industry Development Council and International Quality Summit Gold Category Award. His contributions in promoting innovative construction materials, techniques and design, through publication and technical seminars are awe-inspiring.

Prof. Wolfgang Brameshuber was the Director of the Institute of Building Materials Research (ibac) and Chair Professor of Building Materials at the RWTH Aachen University, Germany. He was an expert in the fields of special concretes and worked on the environmental acceptability of mineral based building materials. Prof. Brameshuber received the prestigious Stuva award in 2001. His profound expert knowledge resulted in more than 390 publications in nationally and internationally recognized journals, and about 230 lectures to the professional public

REGISTRATION (Lunch/refreshments are included in the fee): <http://www.rilem2017conference.org/registration>

CONTACT: Mr. Sachin Paul, Department of Civil Engineering, IIT Madras, Chennai, India.
E: sachinmmp@gmail.com; trcrilem2017@gmail.com; M: +91-9744622228



International Workshop on Textile Reinforced Concrete (TRC) Systems

2nd K.P. Pradeep Symposium on Pioneering Science and Development for Construction

Dedicated to Prof. Wolfgang Brameshuber

Monday, September 4th, 2017 | Central Lecture Theatre | IIT Madras, Chennai, India
Pre-conference Workshop, RILEM Week

Workshop Co-Chaired by Prof. Ravindra Gettu (IIT Madras) and Prof. Viktor Mechtcherine (TU Dresden)

Time	Activity/ Lecture	Speaker
9:00 am - 10:30 am	Springer workshop on “How to Publish” Venue: IC&SR Auditorium	Nathalie Jacobs, Springer The Netherlands
10:30 am - 11:00 am	Tea Break & Registration for TRC Workshop	
11:00 am - 11:15 am	Welcome	Ravindra Gettu IIT Madras
11:15 am - 11:55 am	TRC Today	Gözdem Dittel Aachen University, Germany
11:55 am - 12:30 pm	Challenges in the Characterization of TRC	Ravindra Gettu IIT Madras
12:30 pm - 1:10 pm	Engineering of TRC for Performance Enhancement	Viktor Mechtcherine TU Dresden, Germany
1:10 pm - 2:15 pm	Lunch Break	
2:15 pm - 2:55 pm	Product Customization and Innovation using TRC Prototyping Technology	Smitha Gopinath CSIR-SERC, India
2:55 pm - 3:35 pm	Restoration with TRC	Thomas Heiermann Aachen University, Germany
3:35 pm - 4:15 pm	Masonry wall reinforcement with Saint-Gobain Adfors fabric	Prashant Gudur Saint Gobain, India
4:15 pm - 4:30 pm	Tea Break	
4:30 pm - 5:10 pm	Dawn of TRC in the Asian sub-continent	Mohit Raina Raina Industries, India & Aachen University, Germany
5:10 pm - 5:50 pm	TRC Tomorrow	Magdalena Kimm Aachen University, Germany