WORKSHOP ON FIRE SAFETY

March 2-3, 2013
IIT Gandhingar

- Introduction to Fire Safety
- Fire Resistance Tests/Fire Codes, Standards & Test Methods
- Development of Fire Scenarios in Buildings
- Evaluation of Fire Resistance of Steel Structures
- Evaluation of Fire Resistance of Concrete Structures
- Lessons from Fire (Collapse) Investigations
- Lessons from World Trade Center Event
- Case Studies
- Fire Safety Challenges in India

SAFETY CENTER

PROMOTING A CULTURE OF SAFETY

WORKSHOP ON FIRE SAFETY

The workshop will introduce participants to the fundamentals and practice of Fire Safety. Leading national and international professionals and academics from the United States and India will conduct the workshop. The workshop will emphasize codes, design of fire scenarios in buildings, evaluation of fire resistance of structures, fire investigations and case studies of different fire incidents in India and abroad. The workshop will also help participants understand the challenges and best practices in Fire Engineering through behavior and analytical modeling of structural systems under extreme fire conditions and material properties at elevated temperatures.

WORKSHOP FACULTY

Dr. Venkatesh Kodur, Ph.D., P.E., F.ASCE, F.ACI, F.CAE
Professor & Director, SAFE-D Center, Civil and Environmental Engineering, Michigan State University, USA

Prof. Kodur is a Professional Engineer, Fellow of American Society of Civil Engineers, Fellow of American Concrete Institute and the Canadian Academy of Engineering. He is a Foreign Fellow of Indian National Academy of Engineering, Chairman of ACI Fire Protection Committee, Chairman of ASCE-29 (Fire) Standards Committee and a member of UK-EPSRC College of Reviewers. Dr. Kodur was part of the FEMA/ASCE Building Performance Assessment Team that studied the collapse of the World Trade Center, New York, buildings as a result of September 11, 2001 incidents. He has published over 250 peer-reviewed papers in journals and conference proceedings.

Dr. Pravinray D. Gandhi, Ph.D., P.E.
Director, Corporate Research, Underwriters Laboratories, USA

Dr. Gandhi is well known in the North American and International Fire Protection Community as a leading fire researcher and for translating the product of fire research into economically useful applications in testing and certification of materials, products and systems. He is a member of National Fire Protection Association, and American Society for Testing and Materials. He served as an expert on ISO and IEC technical committees, authored numerous papers on fire safety and is on the editorial board of Fire Technology journal.

Mr. G. B. Menon
Fire Advisor, Govt. of India (Retd.)

Mr. Menon is Founder President of National Association of Fire Officers (NAFO) and former Chairman of the Fire Fighting Sectional Committee, Bureau of Indian Standards. He is Fellow of Institution of Fire Engineers (UK). He was Chief Fire Officer, Department of Civil Aviation, Govt. of Zambia and India's representative at the International General Assembly, IFF (UK). He was also Fire Advisor of Gujarat Electricity Board (GEB) and Gujarat Disaster Management Authority (GDMA) and Member of SFPE & NFPA.

SATURDAY, MARCH 2

TIME	SESSION TOPIC	COORDINATOR
7:30-8:30	**Breakfast**	
8:30-9:00	Registration	
9:00-9:30	**Inauguration and Welcome**	**Prof. Sudhir Jain**
9:30-10:30	Introduction to Fire Safety	Prof. Venkatesh Kodur
10:30-11:00	**Tea Break**	
11:00-13:00	Fire Resistance Tests/Fire Codes, Standards & Test Methods	Dr. Pravin D. Gandhi
13:00-14:00	**Lunch**	
14:00-15:30	Development of Fire Scenarios in Buildings	Prof. Venkatesh Kodur
15:30-16:00	**Tea Break**	
16:00-17:30	Evaluation of Fire Resistance of Steel Structures	Prof. Venkatesh Kodur
19:30	**Workshop Dinner**	

SUNDAY, MARCH 3

TIME	SESSION TOPIC	COORDINATOR
8:30-9:00	**Breakfast**	
9:00-10:30	Evaluation of Fire Resistance of Concrete Structures	Prof. Venkatesh Kodur
10:30-11:00	**Tea Break**	
11:00-12:45	Panel Discussion: Fire Safety Challenges in India	Panelists
12:45-13:45	**Lunch**	
13:45-15:15	Lessons from Fire (Collapse) Investigations	Mr. G.B. Menon
15:15-15:30	**Tea Break**	
15:30-16:30	Lessons Learned from WTC event (9/11)	Prof. Venkatesh Kodur
16:30-17:30	**Case Studies**	**Dr. Pravin D. Gandhi**
17:30-17:45	Closing Session & Feedback	Prof. Chinmay Ghoroi

INDIAN INSTITUTE OF TECHNOLOGY GANDHINAGAR

SAFETY CENTER

Promoting safety in public & private spheres and industry

The IIT Gandhinagar Safety Center promotes safety in public and private spheres, industry and the informal sector. The Safety Center seeks to advance safety with a comprehensive program of conferences, workshops and seminars for safety professionals, graduate and undergraduate courses on safety engineering, as well as research projects and consultancies that engage faculty and students at IIT Gandhinagar and other universities, and industry professionals, to solve pressing challenges in the safety sector.

TRAINING

Training programs for safety professionals, including certifications and workshops for industry professionals and those interested in pursuing careers in the safety sector.

CONFERENCES & SEMINARS

Safety conferences and seminars to enable safety professionals from around the world to network and explore the state of the art and new safety technologies.

CURRICULUM DEVELOPMENT

Introducing industrial safety courses in IIT Gandhinagar's graduate & undergraduate curriculum.

PROJECTS & ADVOCACY

Research projects, consultancies and project implementation in the safety sector. Promoting awareness and undertaking public advocacy around safety.

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