

2016

6th International Conference

Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics

August 1-6, 2016, IIT Roorkee Greater NOIDA Campus, Greater NOIDA (NCR), INDIA

Call for Papers

Earthquake, civil, structural and geotechnical engineers, seismologists, geologists, scientists, teachers, builders, consultants, architects, land use planners and other professionals worldwide are invited to contribute original and unpublished papers for discussion at this conference and publication in the proceedings.



Qutb Minar

Taj Mahal

Qutb Minar : A 72.5 m high Minar made of red sandstone and marble. its construction was started in 1192 by Qutb-ud-din Aibak and completed in 1368 by his successors Iltutmish and Firoz Shah Tughlak

Taj Mahal : The most magnificent building in the world, built by Emperor Shah Jahan in 1631. In the memory of his wife Mumtaz.

**Mark Your Calendar and
Make Plans to Attend**

For further details please visit URL: <http://www.6icragee.com>

Preamble

This International Conference is in continuation of the previous five such conferences organized by the Missouri University of Science & Technology, Rolla (US), under the chairmanship of Prof. Shamsher Prakash. All the previous Conferences have proved to be highly successful events. The Conference shall have invited Keynote Lectures, State of the Art and Practice (SOAP) Lectures, Special Presentation Lectures (SPL) and contributed original research papers for discussion and publication in the proceedings. Contributions are expected from over 40 countries.

Patron

Pradipta Banerji director.iitrke@gmail.com

Honorary Distinguished Co-Chair

Shamsher Prakash prakash@mst.edu

Conference Chair

H. R. Wason wason.6icragee@gmail.com

Conference Co-Chair

M. L. Sharma mukutfeq@iitr.ac.in

Organizing Secretaries

G. Y. Ramana ramana.6icragee@gmail.com
Ajay Chourasia ajaycbri@gmail.com

Invited Speakers

Keynote Lecture

George Gazetas, NTUA, Greece

State of the Art and Practice (SOAP) Lectures

Ahmed Elgamal, UCSD
Amir M. Kaynia, NGL
H.R. Wason, IIT Roorkee
Ikuo Towhata, University of Tokyo
James Martin, Clemson University
K. S. Rao, IIT Delhi
M. L. Sharma, IIT Roorkee
Pedro Pinto, LNEC, Lisboa
Richard D. Woods, University of Michigan
Shamsher Prakash, MST, Rolla
T. N. Gupta, Former ED, BMTPC

Special Presentation Lectures (SPL)

B. K. Maheshwari, IIT Roorkee
Deepankar Chowdhary, IIT Bombay
G. V. Ramana, IIT Delhi
Ion Vlad, TUCE, Bucharest
Jorge F. Meneses, Group Delta Consultants, Inc., CA
S.P.G. Madabhushi, University of Cambridge
T.G. Sitharam, IISc, Bangalore
Wang Lanmin, LIS, CEA

Submission of Abstract:

Prospective authors are invited to submit online one-page (500 words maximum) Abstracts in MS word or PDF file by Aug. 15, 2015. The Abstract should indicate the Theme Number under which it falls on the uppermost corner of the right hand side. Title, author(s) name(s) and affiliations along with email address of the corresponding author is required. The Abstract should contain: an introductory statement that outlines the background and significance of the study, a succinct description of the basic methodologies used, a clear indication of the major findings of the study a concluding statement.

Exhibitors:

Organizations/Agencies interested to exhibit their products/services/equipments relevant to the themes of the conference are invited to register. Exhibition stall having 3m x 3m space can be booked in advance on payment of prescribed fee.

About Delhi (NCR) Weather :

Delhi is situated on the banks of river Yamuna with Himalayas being to its north. New Delhi, the capital of India and the National Capital Region (NCR) have a hot and humid climate during the month of August With temperatures varying between. 35°C (high) and 26°C (low) and RH is 73% average. However, there are frequent light showers in the evenings on many days, and the temperatures fall to pleasant levels.

Themes

- 1a. "Dynamic Properties of Soils and Soil Like Materials, Engineering Soil Parameters and Constitutive Relations."
- 1b. "New Field and Laboratory Methods and Results, Data Base, Large Scale Field Tests, Centrifuge Tests"
2. "Wave Propagation, Engineering Vibrations and Solutions, Vibrations of Machine Foundations, Blast, Traffic and Construction Vibrations, Vibration Problem of High Speed Railways. Vibration/Absorption"
- 3a. "Engineering: Seismology: Near Fault and Directivity Effects, Geologic Indicators of Rupture Direction. Geometric Effects on Ground Motions, Motion Parameters for Design. Borehole Arrays, Seismological and Strong Motion Arrays, Interpretation of Field Array Data, Site Amplification"
- 3b. "Local Site Effects : 1-D/2-D Wave Propagation Predictions and Measurements, Nonlinear versus Equivalent Linear Analysis, Effective Stress versus Total Stress Analysis"
- 4a. "Liquefaction and Seismically-Induced Settlement, Ground Failures, Seismic Studies of Bhuj (India), Kobe, Lima Peru, Chile, Taiwan, China, Turkey, U.S., New Zealand (Christchurch) and other Recent Earthquakes, Spatial Liquefaction"
- 4b. "Stability and Displacement Performance of Slopes, Landfills and Earth Dams under Earthquakes"
- 5a. "Soil-Structure Interaction under Dynamic Loading for both Shallow and Deep Foundations, Effect of Vibrations of High Speed Railways on Soils and Soil-Structure"
- 5b. "Soil-Foundation interaction Triggered by Seismic Faulting"
- 6a. "Seismic Analysis and Design of Retaining and Marine Structures, Field Studies on Retaining Walls in California, Japan, India and other countries"
- 6b. "Seismic Hazard Zonation: Earthquake Risk Assessment with Earthquake Risk Management, Microzonation Projects and Procedures, Use of Building Codes to Reduce Earthquake Hazards"
- 7a. "Case Histories of Geotechnical Earthquake Engineering, Failures and Geotechnical Analysis of Recent Earthquakes, Report of Recent Damaging Earthquakes"
- 7b. "Seismic Analysis and Retrofit of Foundations of Bridges and other Sub-Structures, Seismic Retrofit Projects and Procedures"
- 7c. **Nepal Earthquake 2015**
8. "Model and Full-Scale Tests of Geotechnical Structures including Centrifuge Tests, Recent Advances from Earthquake Simulation Facilities such as NEES, E-Defense, NCREE"

Important Deadlines:

Sept. 15, 2015

Sept. 25, 2015
Jan. 31, 2016
Feb. 28, 2016
Feb. 29, 2016
March 15, 2016
March 31, 2016
Aug. 1-2, 2016
Aug. 03, 2016
Aug. 06, 2016

Submission of Abstracts

Abstract Acceptance Intimation
Submission of Full Paper Manuscript
Submission of Invited Full Papers
Second Announcement and final Brochure
Full Paper Acceptance Intimation
Early-Bird Deadline for Delegates & Exhibitors
Soil Dynamics Short Course
Conference Inauguration
Post Conference Tour

Registration & Sponsors fees:

Delegates

Until March 31, 2016
ISET Members
Non ISET Members
Foreign Delegates
Bonafide Students /
Accompanying Persons

Sponsors
Platinum Any Amount Befitting The Organization
Gold INR 2.00 lakh/US\$ 6000
Silver INR 1.50 lakh/US\$ 5000
Bronze INR 1.00 lakh/US\$ 4000

After March 31, 2016

ISET Members
Non ISET Members
Foreign Delegates
Bonafide Students /
Accompanying Persons

INR 7000.00
INR 9000.00
US\$ 550.00
INR 4000.00
US\$ 250.00

The Demand Draft/Cheque shall be drawn in favour of "6ICRAGEE" payable at Punjab National Bank, IIT Roorkee Campus Branch (Code 404400)

Other Details :

Other details about the Conference structure are available on the Conference website.

<http://www.6icragee.com>

For further information please Contact :

General	Technical	Registration
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Organized by
**Indian Society of Earthquake Technology &
Department of Earthquake Engineering,
Indian Institute of Technology Roorkee, Roorkee-247667, India**



Deadline for Abstract: September 15, 2015

Call for Papers: Online at <http://www.6icragee.com>

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on**

**Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics
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Last date of Abstract Submission is extended till 15th September, 2015.

A Special Session on April 2015 Nepal Earthquake is proposed to be organized during the Conference. Reports on damages, failures and Geotechnical analysis of this damaging earthquake are invited for presentation from research groups & different agencies.