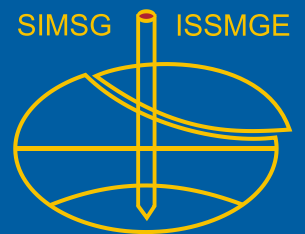




5th ICFGE - 2016



International Society for
Soil Mechanics and
Geotechnical Engineering
TC 302: Forensic
Geotechnical Engineering

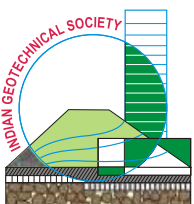
Invites you to the
Fifth International Conference On

FORENSIC GEOTECHNICAL ENGINEERING

Date: December, 8-10, 2016
Venue: Bengaluru, India

JOINTLY ORGANISED BY

Indian Geotechnical Society (IGS), New Delhi
Indian Geotechnical Society, Bangalore Chapter
Department of Civil Engineering, IISc, Bangalore



IN ASSOCIATION WITH

American Society of Civil Engineers (ASCE), ASCE (India Section)
ASCE Forensic Engineering Division
Geotechnical Extreme Events Reconnaissance (GEER) Association, USA
Deep Foundation Institute (DFI) USA and DFI (India)





Foreword

Forensic Geotechnical engineering involves scientific, legalistic investigations and deductions to detect the causes as well as the process of distress in a structure, which are attributed to geotechnical origin. Such a critical analysis will provide answers to "what went wrong, when, where, why, how, and by whom". Cases of remedied installations, particularly those which, fall under public/or government category, where the analysis and evaluation of adopted remedial measures with regard to their effectiveness and economy may be subjected to judicial scrutiny also, fall under this purview. It also gives strong inputs to improve designs. The normally adopted standard procedures of testing, analysis, design and construction

are not adequate for the forensic analysis in majority of cases. The forensic investigations involve fresh field and laboratory tests apart from collection of all available data. The test parameters and design assumptions will have to be representative of the actual conditions encountered at site. While the designs are mostly stress based, the forensic analysis has to be deformation based. The forensic geotechnical engineer (who is different than the expert witness) has to be not only thorough in his field of specialization, but also be familiar with legal procedures. This seminar highlights the principles of planning and executing a forensic investigation citing case histories.

About the Conference

The International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE) constituted a Technical Committee (TC) on Forensic Geotechnical Engineering (FGE) in 2005. During the first four years it was designated as TC40 and is now designated as TC302. This committee has conducted four international seminars on FGE and is now organizing the fifth conference during **December 8-10, 2016 at Bengaluru, India**. The theme of the event is "Forensic Geotechnical Engineering". Lessons learned from failures of different types of geotechnical structures that

can be attributed to any one or more of the topics below can be highlighted. Manuscripts highlighting the failures due natural hazards, lack of codal provisions, challenges in Geo-environmental engineering and rock engineering are welcome. It will be a pleasure to have the association of Technical Committees of the ISSMGE which have common and related topics as themes. During the conference, the following ten topics and their role in Forensic Geotechnical Engineering will be discussed.

- ◆ Collection of Data
- ◆ Distress Characterization
- ◆ Development of Failure Hypothesis
- ◆ Diagnostic Tests
- ◆ Back Analysis
- ◆ Reliability Aspects
- ◆ Technical Shortcomings
- ◆ Legal Issues
- ◆ Observation Method of Performance Evaluation
- ◆ Case Histories

TOPICS



Tentative List of Speakers

Prof. David Frost, USA
 Prof. Bob Gilbert, USA
 Prof. Krishna R. Reddy, USA
 Mr. Mike Drerup, USA
 Prof. Anand Puppala, USA
 Prof. Binod Tiwari, USA
 Dr. Maureen K. Corcoran, USA

Prof. Miguel Pando, USA
 Prof. Ikuo Towhata, Japan
 Prof. Kazuya Yasuhara, Japan
 Prof. Yoshinori Iwasaki, Japan
 Prof. Gopal Madabhushi, UK
 Mr. Robert Jessep, UK
 Prof. Malek Bouazza, Australia

Prof. Limin Zhang, Hong Kong
 Prof. Albert Yeung, Hong Kong
 Prof. Vikas Thakur, Norway
 Prof. W F Lee, Taiwan
 Prof. Sai Vanapalli, Canada
 Prof. G V Rao, India
 Prof. Manoj Datta, India

Papers

Academicians and Professionals are invited to present papers on the above subthemes. The accepted papers will be published as proceedings of the seminar. The length of the papers should preferably be in the range of 10 to 12 pages and confirm to ASCE conferences format.

Important Dates

Draft Paper Reviews to Authors : 17th September, 2016
 Final Paper Due : 1st October, 2016
 Final Paper Decisions to Authors : 1st November, 2016
 Conference Dates : December 8-10, 2016

Registration Fees

Delegates from India	5500	Delegates from other countries	US\$ 400
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Note: If the payment is done before Oct. 31, 2016, a flat 10% reduction will be allowed on the above registration fees.

Sponsorship

5ICFGE 2016 will provide an excellent opportunity for interaction among experts from industries, consultancy organisations, construction companies, government agencies, suppliers, academic and research institutions and decision makers. The tariff for sponsorship of the Conference is given below:

Category	Sponsorship Fee (₹)	Sponsorship Fee (USD \$)
Patron	₹ 3,00,000 and above	\$ 5000 and above
Platinum Sponsor	₹ 2,00,000	\$ 3000
Gold Sponsor	₹ 1,00,000	\$ 2000
Silver Sponsor	₹ 50,000	\$ 1000
Bronze Sponsor	₹ 25,000	\$ 500

In addition to the above benefits, the Platinum and Gold Sponsors would get their Name on the backdrop of the Dias. All categories of Sponsors would have an option for free placement of leaflet / brochure in registration kit and their names would appear in banners placed at prominent places of the Conference venue.



Exhibition

A technical exhibition will be arranged close to the Conference venue ensuring maximum footfall. Geotechnical consultants, manufacturers and suppliers of laboratory and field instruments, equipment, and data acquisition systems, research organisations,

contractors, and software vendors are invited to display their products in the exhibition. An area of 3 m x 3 m will be available at a tariff of Rs. 40,000/- for domestic exhibitors and US\$ 1,500 for firms from abroad.

Electronic Payment

For electronic Transfer, delegates within India may remit Registration in Rupees (to SB Account Number 0683101026959 SWIFT CODE:CNRBINBBLFD) at Canara bank, Indian Institute of Science, Bangalore and delegates from abroad may remit the registration in USD by T T to J P Morgan Chase bank, New York, (SWIFTCODE:CHASU33) for credit to account no. 001-1-395969 of Canara Bank Foreign Department, Bangalore (SWIFT CODE:CNRBINBBLFD) for further credit to SB Account Number 0683101026959 at Canara bank, Indian Institute of Science, Bangalore, India. Beneficiary ISFGE, Canara bank Indian Institute of Science, Bangalore, India. PIN 560012, Phone number: 0091 80 236001148. Electronic payment through PayU is arranged.

A copy of the financial transaction may please be sent to Organizing Chairman.

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