



Indian Geotechnical Society: Ludhiana Chapter in association with Technical Committee [TC302] of International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE) is organising a **One-day workshop**

Forensic Geotechnical Engineering

10th October, 2014

About the Workshop and Call-for-Papers

Forensic geotechnical engineering is about analyzing the causes of failure, understanding what went wrong, why, when from geotechnical point of view. The role of forensic geotechnical engineer is often complex and needs to be comprehensive to satisfy technical and legal perspectives. Often geotechnical engineer is required either as technical expert to understand the failure or expert witness in the Court of Law. To develop guidelines in Forensic Geotechnical Engineering, learning from failures is an essential step and is the hall mark of good engineering practice. Failures of geotechnical origin in buildings, bridges, canal linings dams, roads, landslides etc have been common in India. The purpose of the workshop is to understand these failures and examine if these types of failures can be avoided.

Prospective authors are invited to submit papers on following themes of the workshop. Official language of the workshop is English. **The paper(s) can be submitted by 30 July, 2014** to igs.ldh@gmail.com with a copy to gls@civil.iisc.ernet.in and robinson@iitm.ac.in.

- Evidence/data collection,
- Distress characterization,
- Use of diagnostic tests (laboratory and field tests)
- Role of instrumentation and sensor based technologies
- Design review, Specifications/standards review
- Risk analysis
- Failure hypothesis formulation,
- Back analysis,
- Technical short comings
- Liability assessment etc

Venue

**Civil Engineering Department,
Guru Nanak Dev Engineering College,
Ludhiana (Punjab), INDIA**

