10th -12th October, 2014

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| --- | --- | --- | --- | --- |
| Last date for submission of abstract | | | 30th July, 2014 | |
| Intimation of acceptance of abstract | 15th August, 2014 | | | | |
| Last date for submission of full-length papers | | 15th September,2014 | |
| Intimation of acceptance of full-length papers | | 30th September, 2014 | | | |

Geotechnical Engineering Practice and Sustainable Infrastructure Development



Schedule of events

Preconference Workshop :10th October, 2014

*(On Forensic Geotechnical Engineering by Professor Sivakumar Babu G. L.)*

GEPSID-2014 Conference :11th -12th October, 2014

IGS EC meeting :11th October, 2014 *(1400hrs – 1700hrs)*

IGS-Ferroco Terzaghi Oration:11th October, 2014 *(1730 hrs – 1900hrs)*

(2014) *(By Professor A Sridharan, Ex. Dy-Director, IISc Bangalore)*

Indian Geotechnical Society-

Ludhiana Chapter

*In association with*

Department of Civil Engineering,

Guru Nanak Dev Engineering College,

Ludhiana (Punjab)

**Who Should Participate**

* Design Engineers and Architects
* Contracting Engineers
* Research Funding and Professional Bodies
* Local and Regional Authorities
* Highway Authorities and Designers
* Academicians, Researchers and Students

**Accommodation**

Limited accommodation is available in the College Guest House. A list of hotels in the city offering discounted Conference rates will be provided on the Conference website shortly. Please note that the accommodation is not included in the Conference fee and the delegates are responsible for their own accommodation.

**Travelling to Ludhiana**

Ludhiana is an industrial hub of Punjab, well known for the cycle and hosiery industry. It is well connected to the rest of India by Rail, Air and Road. The local climate during October will be pleasant with temperature ranging from 25oC to 35oC.

**Nearest Railway Station:** Ludhiana Junction.

**Nearest Airports:** Ludhiana; Chandigarh; Amritsar

**Important Trains Halting at Ludhiana:**

Shatabdi Express; Shalimar Express; Malwa Express; Amritsar Golden Temple Express; Pachim Express; Jhelam Express; New Delhi-Amritsar Express; Sachkhand Express; Dadar-Amritsar Express; Tata Hatia–Jammu Tawi Express.

**About the College**

Guru Nanak Dev Engineering College has been recently declared as an **autonomous college** by the UGC. It was established in 1956 by the Nankana Sahib Education Trust, founded in memory of the most sacred temple of Nankana Sahib, birth place of Guru Nanak Dev Ji. The main mission for establishing the college was ‘*Removal of Economic Backwardness through Technology*’. To fulfil this commitment, a unique admission criterion was adopted by the trust by reserving 70% seats for students from the rural areas. At present, 07 UG and 13 PG courses are being offered in engineering. College also offers MBA and MCA courses at PG level. The college has been declared **QIP centre** for Ph.D. by AICTE in Civil Engineering, Mechanical Engineering and Electrical Engineering from the session 2011-2012.

*Geographical Location:*

Longitude: 75o51’39.49” N

Latitude: 30o51’38.54” E

**Invitation to GEPSID-2014**

The conference will be held at Ludhiana. It aims to bring together professional engineers, academicians, researches and others, with interest in Geotechnical Engineering and its applications in infrastructure developments, for exchanging their experiences. IGS-Ludhiana Chapter and Guru Nanak Dev Engineering College extend a hearty welcome to all to attend the conference.

**About IGS-Ludhiana Chapter**

Indian Geotechnical Society, New Delhi (IGS) has opened its 35th Chapter in Ludhiana with an aim to address the local civil engineering problems faced by the people of Punjab in general and geotechnical engineering problems in particular. It provides a platform to the engineers, scientists, industrialists and others who are actively associated with the geotechnical works to come together to interact, collect, synthesize and collate valuable information on the geotechnical engineering aspect of Civil Engineering for betterment of the community.

**About the Department**

Civil Engineering Department has been *accredited* twice by National Board of Accreditation (NBA) since 2004 and is running three full time PG programmes (Structural Engg.; Geotechnical Engg.; Environmental Science and Engineering) and one part-time PG programme (Soil Mechanics and Foundation Engineering) along with UG programme in Civil Engineering in two shifts. The department has the state of art facilities for R&D activities. The Department is actively engaged in providing consultancy services to different government and private sector in and around Punjab with an annual turnover of approximately Rs one crore. Recently, Civil Engineering Department has been indentified and declared as **QIP Centre** for Ph.D by AICTE, New Delhi from the session 2011-2012 and is supported under **FIST** scheme of *DST, GOI* and **TEQIP-II** scheme of *GOI*.

**Sponsorship and Exhibition**

The focal point of the Conference is to bring different people and technologies together at a common platform. Therefore, equipment/instruments manufacturers, building materials manufacturers, contractors, consultants, are invited to sponsor the event and take the opportunity to exhibit and network with the delegates. Sponsors will gain exposure from a range of promotional benefits including free trade fair space, free delegates and promotion on the Conference website, brochure and programme. Conference website will prominently display details of Sponsors and a link directly to the Sponsor’s own website. Sponsors company profile will also be printed in the Programme given to all the delegates at the Conference. An enclosed space of approximately 3m x 3m with a table, a chair and power connection shall be made available at a tariff of Rs 25,000/- and if some sponsorer wants to make a presentation to the audience, it will be Rs 40,000/-.

**Organising Committee**

**Patron**

Dr. M S Saini

Director,

Guru Nanak Dev Engineering College, Ludhiana

**Advisors**

Professor Harpal Singh

Professor H S Rai

Professor BS Walia

Department of Civil Engineering,

Guru Nanak Dev Engineering College, Ludhiana

**Chairman**

Professor J N Jha

Head of Civil Engineering Department,

Guru Nanak Dev Engineering College, Ludhiana

**Co-chairmen**

K S Gill, Associate Professor

Department of Civil Engineering,

Guru Nanak Dev Engineering College, Ludhiana

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Jagbir Singh, Harvinder Singh

Associate Professors

Department of Civil Engineering,

Guru Nanak Dev Engineering College, Ludhiana

**Joint Organising Secretaries**

Harjinder Singh, K S Bedi, Gurdeepak Singh

Associate Professors

Department of Civil Engineering,

Guru Nanak Dev Engineering College, Ludhiana

**Members**

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Assistant Professor

(Sponsorships related matter)

Prashant Garg

Assistant Professor

(Exhibition related matter)

Inderpreet Kaur

Assistant Professor

(Preconference Workshop related matter)

Department of Civil Engineering,

Guru Nanak Dev Engineering College, Ludhiana

Daljit Singh

SDE, PWD (B&R), Punjab

(IGS-Ferroco Terzaghi Oration-2014 related matter)

**National Advisory Committee**

*(Names are in Alphabetical order)*

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Dr. A. K. Choudhary

Department of Civil Engineering, NIT Jamshedpur

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SE, PWD Punjab

Dr. Tarunjit S. Butalia

The Ohio State University, Columbus, Ohio, USA

Er T S Chahal

SE, PWD Punjab

**Call-for-Papers**

Prospective authors are invited to submit papers which are relevant to the themes of the conferences. Official language of the conference is English. One page abstract may be submitted online through e-mail to the following address.

igs.ldh@gmail.com

Please indicate the theme under which the abstract should be considered and it must reach the conference secretariat by due date.

**Registration Fees**

A) **Conference:** It will include all lunches, teas / coffees, refreshments, conference dinner and proceedings. The fee structure is shown below:

|  |  |
| --- | --- |
| IGS/IGS-LC members | Rs 2000/- |
| Non-IGS members | Rs 3000/- |
| Students | Rs 1000/- |

**B) Workshop:** The fee is shown below:

|  |  |
| --- | --- |
| IGS/IGS-LC members | Rs 1000/- |
| Non-IGS members | Rs 2000/- |
| Students | Rs 500/- |

This fee can be paid by the way of Bank Draft payable at Ludhiana, in favour of *IGS-Ludhiana Chapter*, or in cash at spot on the day of registration.

**Dates and Venue**

The conference will be held at Guru Nanak Dev Engineering College Ludhiana during 10-12, October, 2014.

**Conference Themes**

* Sustainability Issues—Indian Scenario
* Construction and Environmental Issues-Challenges for Developing Countries
* Remediation of Contaminated Sites
* Characterization of Materials
* Geomechanics
* Sustainability in Geotechnical Planning and Design
* Reliability Concepts in Geotechnology
* Life-cycle Cost Analysis in Infrastructure projects
* Soil-Structure interaction
* Foundation Systems
* Geosynthetics and their Appropriate Use with respect to sustainable development
* Geohazards mitigation
* Numerical and Physical Modelling
* Embedded Structural and Geotechnical Systems
* Evaluation of Ground Improvement and Theoretical Methods
* Urban sustainability and Infrastructure Development
* Lessons from the field and case studies

***For sponsorship information, please contact:***

Puneetpal Singh, Assistant Professor

Department of Civil Engineering,

Guru Nanak Dev Engineering College, Ludhiana

e-mail :ppsc390@gmail.com

Phone No. : +91-97818-16320

**Address for correspondence**

***For sending copy of the registration form,***

***abstract and full length paper:***

Harvinder Singh, Associate Professor

Department of Civil Engineering,

Guru Nanak Dev Engineering College,

Gill Park, Gill Road, Ludhiana-141006,

Punjab (INDIA).

Website: http://gndec.ac.in/~igs/ldh/

e-mail : igs.ldh@gmail.com;

hs@gndec.ac.in

Phone No. : +91-99148-00906

***For exhibition related matters, please contact:***

Prashant Garg, Assistant Professor

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e-mail : prashant.ced@gmail.com

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Location Map of Ludhiana and

Famous tourist places.....

Darbar Sahib, Amritsar; Rock Garden and Lake, Chandigarh; Lodhi Fort, Ludhiana; Khalsa Heritage Complex Anandpur Sahib; Jallianwala Bagh; Durgiana Temple; Wagha Border; Bhakra Dam; Ranjit Sagar Dam

GEPSID-2014 *main sponsors...*

 

**4th IGS-Ferroco Terzaghi Oration**

**(11th October, 2014)**

The prestigious *IGS-Ferroco Terzaghi Oration* (IFTO Oration) the fourth in the series is scheduled on 11th October 2014 at Ludhiana at Guru Nanak Dev Engineering College organized by *IGS-Ludhiana Chapter*.

The Oration shall be by the eminent **Professor Dr. A.Sridharan**, an authority in Geotechnical Engineering who taught at the famed Indian Institute of Science, Bangalore for several years and retired as its Dy. Director. The topic of the Oration shall be announced soon.

The earlier three Orations were delivered by Prof. Harry G. Poulos, Prof. M.R. Madhav and Prof. Kerry Rowe respectively, alternatively by an eminent foreign and an eminent Indian Geotechnical Engineer.

**Brief profile of Professor A. Sridharan**

Professor Sridharan had a distinguished career at the Indian Institute of Science for more than four decades, contributing significantly in all the areas of activity viz., research, teaching, consultancy and administration. Presently, he is INSA Honorary Scientist. Prof Sridharan is one of the most distinguished Civil Engineers of the country specializing in the field of Geotechnical Engineering. He is a Fellow of the top three academies, Indian National Academy of Sciences, Indian National Science Academy and Indian national Academy of Engineering.(FASc, FNA & FNAE). He is also Honorary Fellow of the Indian Geotechnical Society for which he was also the President (1996-1998). He was also a Humboldt Fellow during 1975 – 77 at University of Karlsruhe, Germany.

He has published more than 350 papers out of which 160 are in reputed international journals. The impact of his research can be gauged from the fact that there are **3068 citations to his published work; H-Index of 31 along with i-10 index is 85**-- the highest for any Indian Geotechnical Researcher. He has guided 34 candidates for their PhDs and a number of them for their MSc(Engg) and ME degrees. He has handled a number of sponsored projects.

Prof Sridharan has been an active Consultant in his specialisation having handled more than 240 projects including one abroad (The Indian Consulting Civil Engineering Association has honoured him with ACCE Gourav Award as best Consultant in 2002).

Prof Sridharan has been bestowed (recipient) with a number of important awards of the country which a Civil Engineer can expect. In view of his significant contributions to research and Technical education Purdue University, Indiana, USA, presented him the Distinguished Engineering Alumnus award in 1995. The Indian Institute of Science has conferred on him the Distinguished Alumni award in 2002.

At the Indian Institute of Science, Prof Sridharan has substantially contributed to the administration of the Institute, as Chairman of Civil Engineering Department (1984-1987), as Chairman of Division of Mechanical Sciences (1987-1994), as Deputy Director (1994-1997) and as Advisor (1997-2000). Prof Sridharan has been very active as a member of a number of State and Central Government Technical Committees.

**Forensic Geotechnical Engineering**

**Preconference Workshop (10th October, 2014)**

The forensic investigation requires collection of data, problem characterization, development of failure hypothesis, a realistic back analysis, observation in-situ and in some cases performance monitoring and most important quality control not only in the formal way but also the technical aspects of the work. Therefore while providing the required assistance for the settlement of a dispute; the engineers need to combine high quality forensic investigation consistent with good science and engineering ability so that he/she can clearly present the matters being disputed. The geotechnical engineer while documenting the forensic cases must observe the same standard of quality in all countries and but should apply the rules and practice of the legal system of the country where the conflicts has to be resolved.

Forensic Geotechnical Engineering being the latest edition in geotechnical engineering, *Department of Civil Engineering, Guru Nanak Dev Engineering College Ludhiana* in association with *IGS Ludhiana Chapter* is organizing one day workshop on *Forensic Geotechnical Engineering* (10th Oct. 2014) for propagating the awareness among Field engineers and other professional involved in conflict resolution of Engineering structure/project.

Following Experts are likely to deliver the lecture on different topic/aspects of *Forensic Geotechnical Engineering*.

* Dr. Sivakumar Babu G. L

Professor, Civil Engineering Department,

Indian Institute of Science, Bangalore

* Dr. Manoj Datta,

Professor, Civil Engineering Department,

Indian Institute of Technology, Delhi

* Dr. K. S. Rao,

Professor, Civil Engineering Department,

Indian Institute of Technology, Delhi