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# IGS News

*A Bulletin of Indian Geotechnical Society, Chennai Chapter*

[www.igschennai.org](http://www.igschennai.org)

Editors : Prof. S.V. RAMASWAMY & Er. I.V. ANIRUDHAN

## From the Editor's Desk ... Indian Geotechnical Conference 2006

It had been a great pleasure to conduct Indian Geotechnical Conference 1996 in Chennai that attracted more than 350 delegates from all over India and abroad. Parallel sessions were conducted giving opportunity to almost all the authors. In spite of a few complaints about such parallel sessions, the experiment was a great success in terms of participation from the authors. We had a very good cultural programme at Kalaksethra, Thiruvanniyur.

We have this opportunity to host Indian Geotechnical Conference and annual session in Chennai again in 2006. The Chennai Chapter is fully geared up to fulfil this task. We expect more than 400 delegates who will be enriched by keynote lectures and special lectures apart from papers in different fields in geotechnical engineering. The main theme of the conference is Geotechnical Engineering - Indian Experience, from which a short form of GEOINDEX is derived. Fifteen specific topics are listed under this main theme. We expect about 200 technical papers of good quality. The task committees are formed and started working towards a successful conference.

Prof. S.R. Gandhi is the Organising Chairman of GEOINDEX. Prof. K. Ilamparuthi, Chairman IGS Chennai Chapter, and Er. I.V. Anirudhan, Secretary, Chennai Chapter, will work as organising secretaries. Prof. M.S. Ananth, Director, IIT Madras, is the Chief Patron. Prof. A.M. Thirumoorthy, Head of Civil Engineering Department, Anna University, and Prof. S. Mohan, Head of Civil Engineering Department, IIT Madras, will be the patrons.

The conference will be held in IIT Madras utilising all the modern facilities available in IC & SR. The

main auditorium and the two conference halls will be used for conducting the proceedings. The Director, IIT Madras, has promised full support in successfully organising this conference.

We expect large number of supporters in the form of sponsors, donors, exhibitors, corporate presenters, etc. We have received abstracts from some authors and some delegates have already registered for the conference.

The organising committee of IGC 2006 requests support from all of you in the form of technical and monetary contributions. This issue of the news letter carries the first bulletin of the conference. We request all the members to respond early.

The issue also carries reports from other conferences where significant number of Chennai chapter members participated. The chapter organised a good number of technical lectures and all the lectures were well attended.

One disturbing fact is about many undelivered mails in spite of updating the addresses as soon as we receive a communication from the members moving from their present addresses. We have about 220 members with wrong addresses out of 850 odd members. We will not be able to update the data base without prompt communication from the members. We earnestly request all the members to inform their correct address, phone numbers and Email ID so that a better communication data base can be formed. Please use the email ID [anirudhen@eth.net](mailto:anirudhen@eth.net) for updating your addresses and email IDs. This is very important for us to keep all of you informed about the progress of IGC 2006 preparations. **O**

## Geotechnical Calendar

### National

- National Conference on Earthquake Disaster Technology and Management - "EARTH-2006" at Motilal Nehru National Institute of Technology, Allahabad, by IGS Allahabad Chapter, **11-12 February 2006**. Prof. R.K. Srivastava, Dept of Civil Engineering, MNNIT, Allahabad
- Short Term Course on 'Soil Investigations & Design of Foundations - IIT Roorkee at Roorkee **13-18 February 2006**. Contact Prof G. Ramaswamy, Email [gramsfce@iitr.ernet.in](mailto:gramsfce@iitr.ernet.in), Tel 91-1332-285428
- Indian Geotechnical Conference - 2006, Indian Geotechnical Society, Chennai Chapter, at IIT Madras, Chennai **14-16 December 2006**. E-mail: [geoindex2006@gmail.com](mailto:geoindex2006@gmail.com); web site [www.igschennai.org/igc2006](http://www.igschennai.org/igc2006)

### International

- 5th International Conference on Environmental Geotechnics, University of Illinois, Chicago, **26-30 May 2006**, Dr. Krishna R Reddy, E-mail: [kreddy@nic.edu](mailto:kreddy@nic.edu)
- XIII Danube -European Conference on Geotechnical Engineering, Ljubljana, Slovenia, **29-31 May 2006**, Slovenian Geotechnical Society, Jamova, E-mail: [danube.2006@fgg.uni.lj.si](mailto:danube.2006@fgg.uni.lj.si),
- 10th International Conference on Piling and Deep Foundations, Amsterdam, Netherlands, **31 May-2 June, 2006**, [constructconferences@emap.com](mailto:constructconferences@emap.com), URL [www.pilinganddeepfoundations.com](http://www.pilinganddeepfoundations.com)
- International Symposium on Lowland Technology, Sago, Japan, **14-16 September 2006**, Ms. M. Yahiro, Email [ialt@ilt.saga-u.ac.jp](mailto:ialt@ilt.saga-u.ac.jp)
- 13th Asian Regional Conference, Kolkata, India **10-14 Dec 2007**, Prof. N. Som, Phone +91-33-24138088, E-mail [nitin\\_som@vsnl.com](mailto:nitin_som@vsnl.com), [secretariat@13arc2007.com](mailto:secretariat@13arc2007.com), Web [www.13arc2007.com](http://www.13arc2007.com)



Prof. T.S. Ramanatha Ayyar, receives a memento from Prof. S.V. Ramaswamy after his Terzaghi Day Lecture 2005.



**Major General S.N. Mukherjee**, President, Indian Geotechnical Society, inaugurating the Terzaghi Day Celebrations of Year 2005 held on October 1, 2005. **Prof. T.S. Ramatha Ayyar** presented the Terzaghi Day Lecture of 2005 on the topic "**PROBLEMS IN TROPICAL SOILS WITH SPECIAL REFERENCE TO LATERITES**".

## Annual General Body Meeting of IGS Chennai Chapter AGM 2005

Annual General Body meeting of IGC Chennai Chapter was held on August 24, 2005 at Anna University.

About 20 members attended the meeting. Prof. . K. Ilamparuthi, Chairman, Chennai Chapter, chaired the meeting. Er. I.V. Anirudhan, Secretary, presented the activity report for the year 2004-2005 and also presented the audited accounts for the respective year. The accounts were approved after a brief discussion.

General discussions on the proposed annual conference in Chennai in December 2006 were held and members actively participated in the discussions. The term of the then executive committee was to expire by September 2005. Prof. V.V.S. Rao suggested continuance of the existing committee for one more term. Prof. S.V. Ramaswamy suggested elections to form a new committee. The issue was put to vote and then the AGM decided to allow the outgoing committee one more term by majority vote.

## 16th ICSMGE - Osaka, Japan

The 16th International Conference on Soil Mechanics and Geotechnical Engineering was held during September 12th to 16th, 2005 at Osaka, Japan. The theme of the conference is Geotechnology in Harmony with the Global Environment. There were more than 1700 delegates from all parts of the world. The Indian contingent was fairly large.

Chennai Chapter members Prof. A. Boominathan, IIT Madras, Prof. K. Rajagopal, IIT Madras, Er. Ayothiraman, IIT Madras, Dr. V.V.S. Rao, Nagadi Consultants and Er. V. Balakumar, Simplex Concrete Piles attended this conference. More details are available in IGS News letter July-December 2005 and also on the web at [www.icsmge2005.org](http://www.icsmge2005.org). **O**

## Personal Column

- 1 Prof. A. Varadarajn.** (LM-829), Retd Professor, IIT Delhi, was awarded "Excellant Contributions Award: Regional" by the International Association of Computer Methods and Advances in Geomechanics (IACMAG) during 11th International Conference held in Turin, Italy in June 2005. Prof Varadarajan is presently with Dr. M.G.R. Educational and Research Institute, Chennai.
- 2 Dr. Darga Kumar N.,** (LM-815), joined, Keller in their zonal office in Chennai.
- 3 Prof. S. R. Gandhi,** (LM-13), **Prof. R. Sundaravadivelu,** (LM-178), and **Mr.K. Muthukkumaran,** (LM-726), IIT Madras, received IGS-Smt Indra Joshi Biennial Prize for the best paper published in National / International Conferences/Symposia for his paper entitled "Behaviour of Instrumented Pile Under Vertical Loading - A Field invetsigation" published in the Proceedings of IGC 2004, Warangal.
- 4 Prof. A. Boominathan** (LM-20), IIT Madras, received the IGC-M.S. Jain Biennial Prize for the best paper on "Innovations in Piling and Other foundation Construction technique" for his paper entitled "Behaviour of Pile Walls in Liquefying Soil Layers" published in the Proceedings of IGC 2003.

Members are requested to write to the society about their activities and other personal achievements. Members may please send their email ID to [anirudhen@eth.net](mailto:anirudhen@eth.net) for better communication.



Members from Chennai Chapter at IGC 2005- Mrs. Malavizhi, Mr. vetrivel, Prof. S.R. Gandhi, Prof. K. Ilamparuthi, Prof. A. Boominathan, Er. I.V. Anirudhan, Er. V. Balakumar, Prof S.V. Ramaswamy, Dr. V.K. Stalin, Er. Murugesan and Mr. Rajesh. Mr. Ravi, Dr. K.L. Pujar, Dr. Dodagoudar, Prof. K. Rajagopal and Dr. V.V.S. Rao also attended the conference

## IGC 2005 - Ahmedabad

IGC 2005 held in Ahmedabad was attended by more than 450 delegates. The conference held in the Nirma University campus was well organised and all the credit go to Prof. G.M. Gandhi, Prof. Tripathi and their team. Prof. S. Pareek and Prof. H.R. Patel are to be congratulated for their successful effort in arranging the accommodation and transport.

There were parallel sessions apart from plenary sessions and corporate presentation sessions. Special programmes were arranged for accompanying spouses.

Prof. S.R. Gandhi and Prof. A. Boominathan from Chennai received best paper awards. The best chapter award was conferred on IGS Warangal Chapter. AGM was stormy as usual. About 15 delegates from Chennai Chapter attended the conference at Ahmedabad. **O**

**Prof. S.R. Gandhi,** IIT Madras receiving IGS-Smt Indra Joshi Biennial Prize for the best paper published in National / International Conferences/Symposia at IGC 2005, Ahmedabad

## Welcome New Life Members

842	Mr. Rakesh J. Pillai
843	Mr. K. Lakshmana Perumal
844	Mr. Srinivas Naik
845	Mr. Niraj Kumar Mishra
846	Ms. B. Subadra
847	Ms. Karpagam M
848	Ms. G.B.S. Kathyayani
849	Ms. S. Bhuvaneshwari
850	Ms. N.V. Sunitha
851	Ms. Prachi Suresh Tajnekar
852	Ms. A. Suganthi
853	Ms. K.V. Sridhanya
854	Mr. Ramvilas Naik
855	Mr. K. Kasthuri Nadh
856	Ms. V. Jaya
857	Ms. B. Soundra
858	Ms. S. Rathi
859	Dr. M. Manoj
860	Mrs. M. Anuradha
861	Mr. Vijay R. Srinivasan
862	Mr. T.N. Murali
863	Mr. R. Visakan
864	Mr. P. Yuvaraj
865	Mr. Pannan Prabhakara Rao



## Activities - August - December 2005

### TERZAGHI DAY 2005 and One Day Workshop on ROLE OF GEOTEXTILE IN RESIDUAL SOILS

Indian Geotechnical Society, Chennai Chapter celebrated Terzaghi Day on Saturday, October 1, 2005 at IC & SR Auditorium at IIT Madras. The programme consisted of Terzaghi Lecture followed by a one day workshop on Role of Geotextiles in Residual Deposits. There were 110 delegates registered for the workshop and 16 members of the Executive Committee, Indian Geotechnical Society, New Delhi attended the programme.

Prof. Ilamparuthi welcomed the gathering. Maj. Gen. Mukherjee, President of IGS and Vice Chancellor, Laxmibai National Institute of Physical Education, Gwalior inaugurated the Programme. The workshop proceedings were then released. Prof. S.V.Ramaswamy introduced the speaker Prof. T.S.Ramanatha Ayyar who then delivered the Terzaghi Lecture, Problems in Tropical Soils with Special reference to Laterites.

Er. I.V.Anirudhan proposed the vote of thanks.

Four invited lectures were delivered by Prof. K.S.Rao, IIT Delhi, Prof. A.V.Shroff, M.S.University, Vadodara, Prof. K.Ilamparuthi, Anna University, Chennai and Prof. S.V.Ramaswamy, Anna University, Chennai in the forenoon session of the workshop. In the afternoon session there were two invited presentations by Prof. K.Rajagopal, IIT Madras and Prof. B.R.S.Murthy, IISC, Bangalore.

The Executive Committee meeting of Indian Geotechnical Society took place after the workshop.



Terzaghi Day 2005 inaugural function - October 1, 2005

**Mr. Shachar Magali**, Tomer Monitoring Systems BV, Holland, delivered a lecture, "PILE LOAD TESTS USING EMBEDDED LOAD CELLS" on December 27, 2005



**Mr. Pierre Orsat**, Menard Soltraitement (Soil Treatment), France, delivered a lecture, "THE 8 MOST CURRENTLY USED GROUND IMPROVEMENT TECHNIQUES" on December 1, 2005.

## Technical Lectures



**Dr. Sarvesh Chandra**, Professor of Geotechnical Engineering, Civil Engineering Division, IIT Kanpur, delivered lecture, "MODELLING CONCEPTS IN GROUND IMPROVEMENT TECHNIQUES" on August 20, 2005



**Mr. Yee Tack Weng**, Z-Tech, delivered lecture, "APPLICATIONS OF GEOTEXTILES AND GEOSYNTHETICS IN INFRASTRUCTURE PROJECTS" on September 19, 2005



**Prof. D. M. Dewaikar**, Department of Civil Engineering, IIT Bombay, delivered a lecture, "DESIGN OF ROCK SOCKETED PILE IN MUMBAI REGION" on October 19, 2005





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### BOOK POST

FIRST BULLETIN OF IGC 2006 'GEOTECHNICAL ENGINEERING - INDIAN EXPERIENCE' - DECEMBER 14-16, 2006 included in this issue

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We are on the web - [www.igschennai.org](http://www.igschennai.org)

IGC 2006 GEOINDEX IN CHENNAI

### Growth of Geotechnical Wisdom

## INDIAN GEOTECHNICAL CONFERENCE 2006 - GEOINDEX DECEMBER 14-16, 2006

INDIAN GEOTECHNICAL CONFERENCE IGC 2006 will be held in Chennai on 14-16 December, 2006. Prof. S.R. Gandhi, IIT Madras, is the Organising Chairman for IGC 2006. Prof. K. Ilamparuthi, Anna University, Chennai, and Er. I.V. Anirudhan will be the organising secretaries.

The event will be held in IIT Madras. Prof. M.S. Anath, The Director, IIT Madras will be the Patron of the event. Main Theme of the conference is **GEOTECHNICAL ENGINEERING - INDIAN EXPERIENCE**

The first detailed bulletin with registration and sponsorship details is included in this issue.

### IGS ANNUAL LECTURE DECEMBER 14, 2006 CHENNAI

Prof S. Narasimha Rao, Professor Emeritus, IIT Madras, will deliver the 29th IGS Annual Lecture at IGC 2006 to be held at IIT Madras.

### IMPORTANT DATES - IGC 2006

Last date for submission of abstract  
**April 15, 2006**

Acceptance of abstract  
**May 15, 2006**

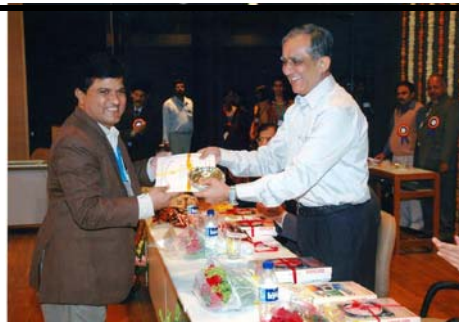
Last date of receiving full length paper  
**July 15, 2006**

Conference Email - [geindex2006@gmail.com](mailto:geindex2006@gmail.com)  
Web [www.igschennai.org/igc2006](http://www.igschennai.org/igc2006)

### Technical Lectures



**Prof. M.R. Madhav**, Professor Emeritus, JNTU, Hyderabad, delivered a lecture, "GEOTECHNICAL ENGINEERING - BEYOND A MECHANISTIC VIEW" on January 4, 2006



**Prof. A. Boominathan**, IIT Madras, receiving the IGC-M.S. Jain Biennial Prize for the best paper on "Innovations in Piling and Other foundation Construction technique" at IGC 2005, Ahmedabad



**Dr. Manoj Verman**, Advance Technology Engineering Services, AIMIL, delivered a lecture, "GROUND PENETRATION RADAR AND PILE INTEGRITY TESTING SYSTEM" followed by a Demonstration on January 10, 2006