

IGS NEWS



NEWSLETTER OF THE INTERNATIONAL GEOSYNTHETICS SOCIETY

Dedicated to the scientific and engineering development of geotextiles, geomembranes, related products, and associated technologies

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President's Corner: The Council of the IGS



Jorge Zornberg

Dear Members of the IGS,

The IGS is not a society of societies; it is a society of singular members. Let me clarify this because it is crucial to how the IGS operates. The membership of the majority of our sister International Societies includes "national member societies," which in turn select delegates that represent them in the council that governs the International Society. That is, they follow a U.N.-like type of representation where the communication between the singular members and the international society should be channelled through the national societies. Instead, the membership of the IGS includes "singular members" (individual or corporate) who directly select delegates that represent them in the Council that governs the IGS. While national member societies of other International Societies may have singular members that opt not to belong to the international organization, such a concept does not exist in the IGS. That is, all members of our IGS chapters are also members, by definition, of the International Geosynthetics Society. The unique structure of the IGS, as designed by the founding parents of our International Society, has fostered rapid communication of our technologies and rich cross-fertilization of ideas.

One of the most definitive occasions when the direct communication between our singular members and the International mother ship crystalizes is for the selection of the IGS Council. Every other year, half of the members of the IGS Council are elected for a four year-term. And you, the IGS member, are given the privilege of casting a direct vote to select the representatives that will continue to define the direction of our International Society. This opportunity is approaching, as you will soon be asked to cast your vote to elect 8 seats for the IGS Council that have vacated for the 2012 - 2016 term. Please take the time to review the background and ideas of the candidates for the IGS Council, which appear in pages 3 of this issue of IGSNews.

Direct voting of IGS members has historically led to a good balance of constituencies in the IGS Council. As an example, Tables 1 and 2 show the make-up of the current IGS Council, illustrating that the current process has led to a balanced geographical and professional presence in the IGS Council. The IGS council meets typically once a year on the occasion of a major geosynthetics conference. While the decisions that define the direction of the IGS are taken during the meeting of the council, much effort goes into the council activities that take place within the multiple operating units that are related to the IGS Council. Figure 1 shows the current structure of the operating units of the IGS council, showing the flow of work that takes place during a typical Geosynthetics Conference that includes a meeting of the IGS Council. As shown in the figure, Operational Task Forces (e.g. Conference Resources, Membership Task Forces) and the Financial Committee provide input to the IGS Officers, who typically meet during a full day preceding the Conference. The IGS Officers are IGS council members holding the positions of President, Vice-president, Immediate Past-President, Secretary and Treasurer. Following the IGS Officers meeting, a full day of Council Committee meetings is organized. The Council Committees (Education, Communications, Corporate Members, and Regional Activities) are the "working arms" of the IGS Council and where much of the actual effort takes place. A full day IGS Council meeting, involving plenary meetings of the 24-member Council, takes place typically one day before the Conference, and it is here that the decisions of the course of the IGS are made. These meetings lead to a number of immediate action items that are articulated during Committee Chair meetings and Task Force meetings that typically take place now during the Geosynthetics Conference. The IGS Conferences are also the forum for one of the multiple meetings of the Technical Committees (see IGSNews Vol 26 No. 3 November 2010) that take place throughout the year.

In summary, much of the course of the IGS depends of your choice of the right candidates for the new IGS Council. I encourage you to take full advantage of your voice as an IGS member to select the leaders that will form the IGS Council. Consequently, please review the profile of your candidates and when you receive an email with your credentials as IGS member enabling you to cast your vote: **Do vote!**

All best regards

A handwritten signature in black ink, appearing to read "Jorge Zornberg". The signature is stylized and written in a cursive-like font.

Jorge G. Zornberg, Ph.D., P.E.
IGS President

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Table 1: Geographical distribution of IGS Council Members

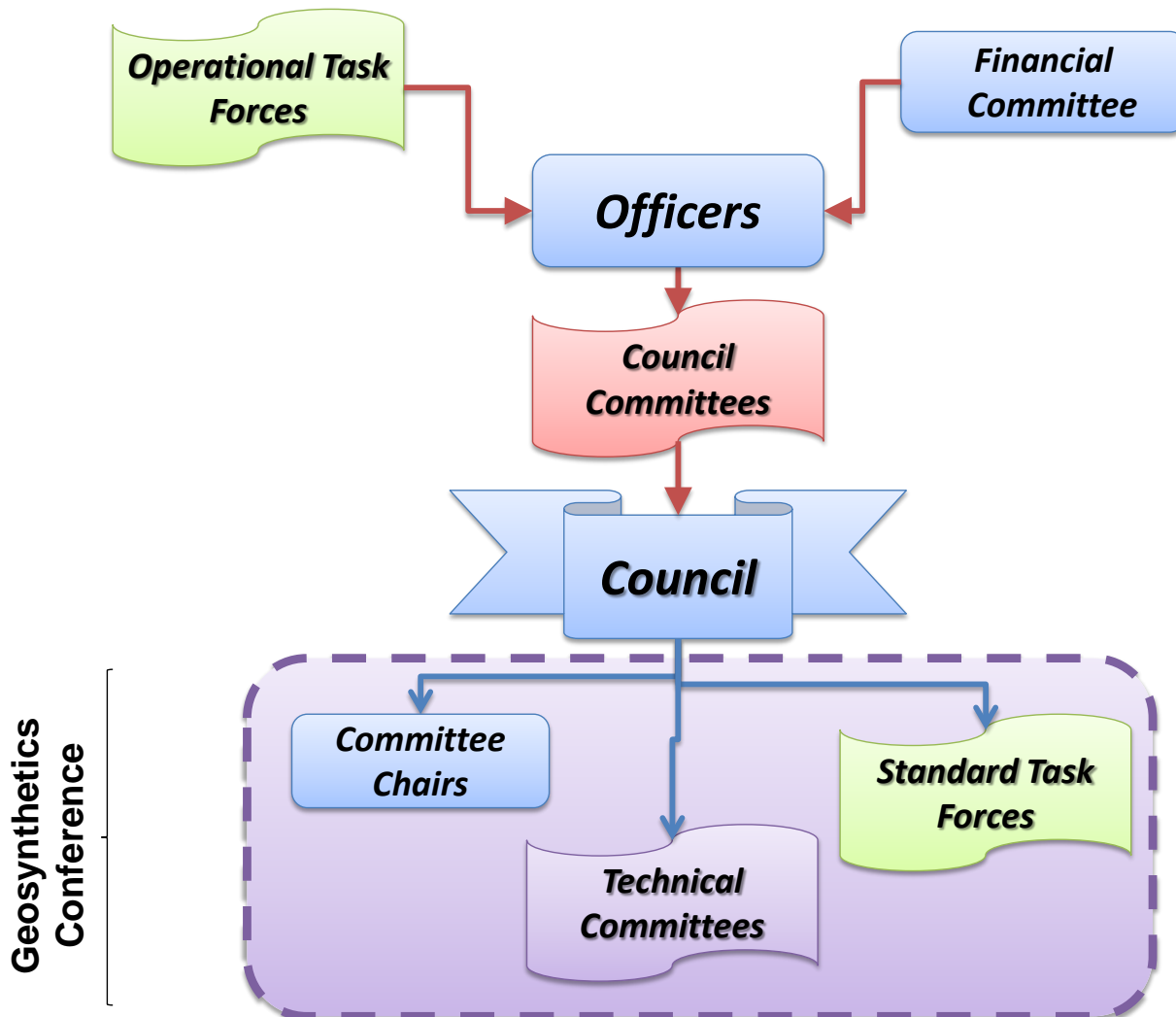
Africa	1 council member
Americas	6 council members
Asia/Oceania	11 council members
Europe	6 council members

Note: Data for the current (2010-2012) IGS council.

Table 2: Professional distribution of IGS Council Members

Academia	12 council members
Industry	12 council members

Figure 1: Work flow of the Operating Units of the IGS Council during a typical Geosynthetics Conference



General Information for IGS Members

Candidates for IGS Council: Term 2012 to 2016



Elizabeth Peggs

The IGS, in accordance with its bylaws, will hold mid-term elections in 2012. IGS Members will have the opportunity to elect eight Council Members. Each of the elected members will serve a four-year term, effective 13 December 2012.

The IGS encourages any IGS Member who is interested in furthering the IGS Mission and can attend all IGS Council meetings to consider standing for one of the Council positions. In a typical year, the IGS Council meets once for a two-day period preceding a geosynthetics event. It is the responsibility of the IGS Council member to travel to these meetings and participate in the plenary and committee meetings. The IGS council attempts to host the meetings in equal distribution around the world and based on the most suitable location in any given year.

The IGS Council Members whose term of office expires in 2012 are:

- D.T. Bergado (Thailand)
- A. Bouazza (Australia)
- P. Fantini (Italy)
- H.Y. Jeon (Korea)
- J. Kuwano (Japan)
- M. Sadlier (Australia)
- M. Ziegler (Germany)
- V. Pimentel (Brazil)

The IGS bylaws stipulate that a Council Member may only be elected to two consecutive terms; hence, **A. Bouazza, P. Fantini, and M. Sadlier** are not eligible for re-election. Each of the other incumbents is standing for re-election.

Nomination & Election Schedule

Under the bylaws of the IGS, only IGS Members are eligible for election to the Council. Candidates must be able to travel to and attend the IGS Council meetings, which are held once per year. Meetings of the IGS Council are generally held in conjunction with international and regional conferences.

- Call for Nominees: November 2011 – 30 April 2012
A signed letter of application together with a biographical note (not exceeding 12 lines) and a photograph should reach the IGS Secretary no later than 30 April 2012. Biographical notes and photos will be published in the IGS News, Issue #2, 2012 (June 2012) and on the IGS website.
- Announcement of Nominees: June 2012
The IGS will announce the eligible candidates in the 2nd Issue of the *IGS News* (June 2012) as well as on the IGS website. All IGS Members will be encouraged to review the candidates' biographies in preparation for the voting period.
- Voting: 2 July – 2 September 2012
Voting instructions will be sent to each eligible Individual IGS Member and each designated representative from the IGS Corporate Membership via email. Each member may vote once. Please make sure you have submitted an accurate email contact to the IGS. All voting will be done electronically.
- Announcement of Successful Candidates: 1 October 2012
IGS Members will be made aware of the successful candidates via email and website on 1 October 2012.
- First Meeting of the New IGS Council: 11 - 12 December 2012 – Bangkok
The first meeting for each of the successful candidates will be held in Bangkok, Thailand immediately preceding the GeoAsia 2012 conference.

Denotes a slight modification in schedule from the originally published schedule

If you have any questions or would like any further information on the election process or the responsibilities involved with becoming an IGS Council Member, please contact the IGS Secretary, Elizabeth Peggs (Elizabeth@geosynthetica.net), SKYPE: elizabeth.peggs, TEL +1.561.768.9487.

Reported by
Elizabeth Peggs, IGS Secretary

Candidates for the 8 seats for the 2012 - 2016 Election Term are (in alphabetical order by last name):



Dennes T. Bergado
Thailand

Dennes T. Bergado initiated and is currently the President of the IGS-Thai Chapter. At present, he is a member of the IGS Council and is running for a second term. He introduced the course on ground improvement and geosynthetics and subsequently established the Asian Center for Soil Improvement and Geosynthetics (ACSIG) at the Asian Institute of Technology (AIT). ACSIG conducts research in geosynthetic applications and performance for mitigation of geo-disasters and serves the geosynthetics industry as independent testing laboratory. He published 2 books, more than 100 journal articles, and more than 200 conference papers mainly on the subject of soil improvement and geosynthetics. He is Editor-in-Chief of the *Lowland Technology International Journal* and Editorial Board Member of 4 international journals including *Geotextiles and Geomembranes*. He organized numerous International Symposia, Conferences and Exhibitions and consequently edited 19 proceedings on geotechnical and geosynthetics applications. He researched and successfully introduced geosynthetics and prefabricated vertical drains (PVD) in soft Bangkok clay, in particular, and in the Southeast Asian Region, in general. In 2006, Prof. Bergado was awarded the IGS Achievement Awards. During his first term as IGS Council member, Prof. Bergado always protected the interests of corporate members and promoted the education of users, clients, planners, and academics regarding the beneficial use of geosynthetics.



Erol Guler
Turkey

Erol Guler is a professor of geotechnical engineering at Bogazici University, Istanbul, Turkey since 1989. He acted as the Director of Environmental Sciences Institute of Bogazici University between 1996 and 1999 and as the Chairman of the Civil Engineering Department between 2004 and 2010. He was a visiting Fulbright Professor at the University of Maryland between 1989 and 1991. Prof. Guler is the leading geosynthetic scientist in Turkey, having been an IGS Member since 1989. He founded the IGS Turkish Chapter in 2001 and served as its president until 2005, and was re-elected as President again in 2011. He was the organizer for the first two national geosynthetic conferences in 2004 and 2006 and is currently the chairman of the organizing committee of the 2012 conference. Prof. Guler has been a member of the International Standards Organization (ISO) Technical committee on geosynthetics as a representative of the Turkish Standards Institute since 2002. He is currently also the Convener of the WG2 of the ISO TC221 (Technical Committee on geosynthetics). Prof. Guler is currently an international member of the USA TRB Committee on Geosynthetics. In addition to his research work, Prof. Guler has extensive practical experience, including design work for numerous projects where geosynthetics were used as reinforcement or liners. If elected to the IGS Council, Prof. Guler will work to improve the dissemination of knowledge and promote an increased use of geosynthetics in close cooperation with academia and engineers.



Warren Hornsey
Australia

Warren Hornsey – National technical Manager – Geofabrics Australasia. Professional Civil Engineer graduated from Natal University, South Africa in 1991. He has worked in the civil engineering field in Africa, Europe and Australia 15 years of experience specializing in geosynthetic research & development and design of structures involving geosynthetics. His experience covers a diverse range of geosynthetic applications from landfill lining to reinforcing and coastal protection. Warren currently heads up the technical department of Geofabrics Australasia which includes a team of geosynthetic specialists and a state-of-the-art geosynthetic R&D laboratory. He has published over 15 peer reviewed technical papers relating to geosynthetic design and application. Warren has served as Chairman of Standards Australia CE20 Geosynthetics



Han-Yong Jeon
South Korea

Han-Yong Jeon is a Professor in Division of Nano-Systems Engineering at INHA University, Incheon, Korea (South). He received his Ph.D. of polymer physics in 1989 from the Hanyang University (Korea (South)). Dr. Jeon conducts research in the area of geosynthetic materials for the past 15 years. His main interests are focused on manufacturing of the advanced geosynthetic materials and evaluation, standardization and regulation of geosynthetics in civil and environmental fields. Especially, he is continuously trying to connect nano-systems and polymeric materials with geosynthetics application areas. He is recognized as an expert researcher of geosynthetic materials in Korea (South) having published 693 papers as author or co-author and 16 books (including 2 English books) in 19 years. He is a current IGS Council Member (2008-2012) and strongly would like to contribute the development of IGS and IGS-KC as reelected IGS Council Member. He was a Publication Committee Chair of GeoAsia 2004, Seoul, Korea (South). He serves on a number of national and international technical committees. Currently, he is the President of the Korean Geosynthetics Society and advisor of the Korean Government Committees of civil engineering. He is the director of GSI-Korea as a member of Geosynthetic Institute (USA). He is an International Technical Advisory Committee Member of Geosynthetics Magazine (formerly GFR) and member of ISO TC221, ASTM D35, CEN/TC189.



Jiro Kuwano
Japan

Jiro Kuwano is a Professor of Geosphere Research Institute of Saitama University, Japan. He obtained his Doctor Degree in Civil Engineering from University of Tokyo in 1986. Before joining Saitama University, he worked for University of Tokyo, Asian Institute of Technology (Thailand), Tokyo University of Science and Tokyo Institute of Technology. His research interests include geosynthetic-reinforced structures, especially their seismic stability and restoration from damage, and mechanical properties of geomaterials. He was a core member of the ISSMGE Technical Committee No. 9 on Geosynthetics and Earth Reinforcement. He was the Chairman of the Scientific Committee of the 8th International Conference on Geosynthetics in 2006 in Yokohama, Japan. He is a co-author of a keynote lecture presented at the 8ICG (Yokohama2006). He has been serving as a chairman for ex-

amination committees on geosynthetics of Public Works Research Center, Japan. He is currently Vice-President and Secretary for the Japanese Chapter (JC-IGS). He has been a council member of IGS since 2008 and served as co-chairman of the Asian Activity Committee of the council.



J.N.Mandal
India

J.N. Mandal, Professor of Civil Engineering Department, Indian Institute of Technology Bombay, India. He is a pioneer of geosynthetics in India and is the founder of International Geosynthetic Society Chapter (India) under the guidance of Dr. J.P. Giroud. He organized the first Indian Geotextile Conference, 1988 at IIT Bombay under the auspicious of International Geosynthetics Society and International Society of Soil Mechanics and Geotechnical Engineering. He has been a member of: International Society of Soil Mechanics and Geotechnical Engineering Technical Committee (TC) 9 on Geotextiles and Geosynthetics and International Geosynthetic Society Education Committee. He was the editorial board member of International Journal of *Geotextiles and Geomembranes*, U. K. He has published more than 250 papers on geosynthetics in various reputed International / National journals / conferences. He was editor of the *Indian Geotechnical Journal*. He chaired many sessions in international conferences regarding geosynthetics.



Nicola Moraci
Italy

Nicola Moraci is Professor of Geotechnical Engineering at the Mediterranean University of Reggio Calabria (Italy). He obtained M.Sc. (1988) and Ph.D. (1992) degrees in Geotechnical Engineering at the University of Padova, Italy and actually is the Director of the Ph.D. Program in Geotechnical Engineering and of the Master on Environmental Engineering of the Mediterranean University of Reggio Calabria. He got the IGS Award 2008 for researchers on the pullout behaviour of geosynthetics. He was keynote lecture at different national and international conferences on topics related to the use of geosynthetics in filters, reinforcement and environmental applications. Prof. Moraci has authored and co-authored more than 120 publications published in National and International Journal and Conferences and serves on a number of national and international technical committees. His main research interests include soil reinforcement, geotextile filters, environmental geotechnics and slope stability. Since 2003, he is on the Board of AGI-IGS, the Italian Chapter of IGS, as General Secretary. Since 2010 he is in the board of AGI, Italian Geotechnical Association. Moreover, since 2004, he is the IGS News correspondent from Italy. Finally, he was among the coordinators of several National and International Conferences.



Victor Pimentel
Brazil

Victor Pimentel -Currently Technical Director of Geo Soluções Ltda. – Geotechnical and Environmental Engineering (São Paulo-Brazil), Victor Pimentel holds B Sc. and M.Sc. degrees in civil engineering (University of São Paulo). He is the Chairman of the Panamerican Activities Committee of IGS, having served the IGS Council for the last four years with total attendance to all council meetings and missions. He also occupies the position of Secretary in the Brazilian Chapter of IGS. For the past 11 years, Mr. Pimentel, has contributed significantly for the dissemination of geosynthetics knowledge in Brasil. He has been involved in many technical seminars and assisted the creation of the CBG – Basic Geosynthetics Course with the co-promotion of IGS Brasil, ABINT and the Brazilian Soil Mechanics Association (ABMS). Victor Pimentel was the Vice-Chair of the 9th ICG which was held in Brazil in 2010. He is committed to contributing with hard work, and has a particular aim: the definitive establishment of geosynthetics in developing countries.



Boyd Ramsey
USA

Boyd Ramsey - Dedication, Involvement, and Enthusiasm are the reasons why I want to serve on the IGS Council and to promote for a better global environment through geosynthetics.

I have the good fortune to be in the plastics industry for nearly 30 years with 16 years in geosynthetics where I am employed by GSE Environmental as Chief Engineer. I graduated from the University of Illinois in 1985 with a B.S. in Chemistry.

I have also served on numerous Boards (multiple terms) such as the Board of Directors of the Geosynthetic Institute, the North American Geosynthetic Society and the Geosynthetic Materials Association where I currently serve as Chairman of the GMA Executive Council. I'm also currently a member of the IGS Financial Committee and a Co-Chair of the IGS Technical Committee on Barriers.

I want to continue the positive mission currently underway at IGS and connect peo-

ple and organizations to geosynthetics for a better global environment. We have so many positive new technologies, products, technical resources and successful stories that I look forward to sharing with our industry as an IGS Council member.



Kent von Maubeuge
Germany

Kent von Maubeuge was born in New York in 1957, lived in New York and Yokohama, before he moved to Germany. He studied civil engineering and obtained 1985 his Master of Science. Since then, he has worked with two major geosynthetic manufacturers and has been involved in research and development of all geosynthetics. For more than 20 years, he has been an active member of various associations, such as DIN, CEN and ISO. He is also a member of ASTM International and is especially involved in standards for GCLs and is vice-chairman of ASTM Committee D35.04 GCLs. Along with the committee chairman, he chaired both ASTM workshops on GCLs and is currently preparing the Multi-component GCL Symposia, ASTM, San Diego, June 27, 2012. Kent von Maubeuge is the convener for the Working Group WG6 (Geosynthetic Barriers) for CEN Technical Committee TC 189 and vice-chair of the TC-Barriers of IGS. He also serves on the Board of Directors for the Geosynthetic Institute, Folsom, USA. Kent has published and presented many international papers on geosynthetics and has contributed to numerous conferences throughout the world. For a German geosynthetics manufacturer (NAUE) he is Director of Product Marketing/Management and is also involved in international concerns. As an IGS Council member, Kent von Maubeuge will continue the internationally-minded work of previous council members. Kent is interested in the continuation of traditional IGS activities while helping to develop new activities which will aid in the expansion of knowledge and technological development of geosynthetics worldwide.



Edoardo Zannoni
South Africa

Edoardo Zannoni was born on the 3rd July 1984. He accomplished a Masters Degree in Engineering in 2008 and he is registered as Candidate Professional Engineer. He moved to South Africa in 2009 and he is the Geosynthetics Business Development Manager for Maccaferri Southern Africa, part of the Maccaferri Industrial Group. He has experience in geotechnical and hydraulic engineering and he is a specialist in geosynthetic for soil reinforcements, basal reinforcements and ground improvements. He has gained a wide experience through projects in South Africa and in other African countries including Mozambique, Angola, Botswana, Namibia, DRC, and Kenya. He joined GIGSA, the South African Chapter of the IGS (GIGSA) in 2009 and he is currently an active member of GIGSA as Specification Portfolio. To perform this role, he joined the South African Bureau of Standards where he is chairman of both the geotextiles technical committee and the geogrids, aiming to improve geosynthetics standards in South Africa. Edoardo is active in publications regarding geosynthetics throughout South African engineering journals and national as well as international conferences.



Martin Ziegler
Germany

Martin Ziegler studied Civil Engineering at the University of Karlsruhe with extension course on rock and soil mechanics. In 1986 he finished his PhD-thesis "Displacement dependent earth pressure in sand". In 1987 he joined a big construction company where he was engaged in landfill, infrastructure and waterway projects. After 13 years in different positions and for several projects at different locations he left the company and became head of the Chair of Geotechnical Engineering at RWTH Aachen University in April 2000. Apart from tunnelling the application of geosynthetic reinforcement is one of his main research topics. He tries to explain the interaction between soil and geosynthetic reinforcement with simple but mechanically correct models in order to overcome the still widespread preconceptions against such constructions. Since 2006 Prof. Ziegler is president of the section "Geosynthetics in Geotechnical Engineering (FS-KGEO)" of the German Geotechnical Society (DGGT). Simultaneously with this function he is member of the board of DGGT and head of the German Chapter of the IGS.

International Geosynthetic Society Publishes Major Engineering Document in French



The International Geosynthetic Society (IGS) has announced that the IGS French Chapter has translated the engineering document **“Recommended Descriptions of Geosynthetic Functions, Geosynthetic Terminology, Mathematical and Graphical Symbols.”** Originally drafted in English, this internationally unifying publication has been translated completely by French Chapter Members **Dr. Nathalie Touze-Foltz** (IGS Council Member) and **Dr. Camille Barral**.

The purpose of the document is to provide a standardized vocabulary/symbols guide for engineers, academics, students, designers and manufacturers working with geosynthetics. It provides a resource for the international geosynthetics community to communicate with confidence of understanding.

It's a standard expectation that the nomenclature and symbols as identified in this document should be used for all papers and presentations submitted to the IGS journals and conferences. By executing this translation, Dr. Touze-Foltz and Dr. Camille Barral have made a valuable contribution toward fulfilling the purpose of this document: standardization of communications throughout the international geosynthetics community.

To encourage its use, the document is publicly available in the “resources” segment of the IGS website: Select **“Education”** and **“French”** when on <http://www.geosyntheticssociety.org/Resources.aspx> or download the document directly in PDF here:

http://www.geosyntheticssociety.org/Resources/Documents/IGS_Symbols_5th_Edition_September_V2009-03_FR_2011_NTF.pdf

In May 2012, with the confirmation of three new chapters, the Society reached a record 38 National Chapters, all of which are actively engaged in the development of educational and technical materials. Many translated documents are available on the IGS website. These documents include information in Chinese, English, French, Italian, Japanese, Portuguese, Romanian, Russian and Spanish. These resources are added to regularly, and more languages are anticipated. Visit the IGS Chapter websites (each of which may be found via the Chapters segment of the IGS website) to discover the outstanding offerings of the chapter in your country or region.

For more information on the International Geosynthetic Society and its educational and technical efforts, please contact the IGS Secretary, Elizabeth Peggs (Elizabeth@Geosynthetic.net) or visit www.GeosyntheticSociety.org.

*Reported by
Elizabeth Peggs, IGS Secretary*

News from the Technical Committees of IGS

IGS Technical Committee on Soil Reinforcement – TC-SR Meeting at GeoAmericas 2012

The IGS Technical Committee on Reinforcement used the occasion of the recent GeoAmericas 2012 Conference in Lima Peru to hold a meeting of members present at the conference.

This technical committee has as its primary mandate the dissemination of technical information related to the use of geosynthetics and related technologies in soil reinforcement applications. The Chair and Co-chair of this committee present are Professors J. Otani (Japan) and R.J. Bathurst (Canada). The secretary is Professor Y. Miyata (Japan). A total of 18 other persons were in attendance from many different countries.

The meeting was started by Professor Otani with a reminder of the objectives of the committee. Dr. Bathurst then described progress towards the current primary objective of the committee which is the creation of an on-line repository of past geosynthetics-related conference proceedings dating back to 1977.

This project involves:

- collection of hard copy and CD proceedings
- arranging for copyright permission to reproduce these proceedings
- scanning of hard-copy documents into searchable pdf documents (or editing CD proceedings if available)
- mounting of these proceedings on the IGS website in a keyword, author and paper title searchable format.

This website will be available to IGS members only and is an important future benefit of IGS membership. The website development is being directed by IGS Secretary (Elizabeth Peggs) at IGS headquarters. It should be pointed out that the contents of this on-line resource will not be restricted to reinforcement applications but will also

include papers on all other geosynthetics applications. The database will include the famous series of IS'Kyushu conferences that include both metallic and geosynthetic reinforcement papers. There was much discussion from the members present on this initiative and many useful recommendations advanced. The response to this initiative was very positive.

The remainder of the meeting was a technical presentation by Professor Y. Miyata from the National Defense Academy in Japan who gave an extremely interesting overview of the performance of soil reinforcement structures in Japan during the Great Tohoku Earthquake in Japan. This presentation was outstanding and demonstrated that once again reinforced soil structures performed well during this recent great earthquake. Dr. Miyata also included a case study of a monitored geosynthetic reinforced soil wall that easily survived the Great Tohoku Earthquake and is currently being analyzed and reinforcement samples exhumed to quantify any changes to material properties.

Finally, the meeting ended with a reminder that membership in the committee is open to all IGS members. The next meeting of the committee will be held 30 May 2012 in Taormina Italy on the occasion of the Second International Conference on Performance-based Design in Earthquake Geotechnical Engineering.

Reported by

R.J. Bathurst, Co-chair of IGS TC-SR

IGS Technical Committee on Filtration – TC-F

The IGS Technical Committee on Filtration aims to promote and develop the use and knowledge on geosynthetics in filtration.

In this context, soon a questionnaire will be available on the IGS website (www.surveymonkey.com/s/W9NTJMC) where members and non members of the IGS will be able to express their views, experiences, concerns, requirements, etc related to geotextile filters as well as to give suggestions for future actions by the IGS Technical Committee on Filtration. A report will be made available on the IGS website in due time summarizing the results of the survey. So, do take a few minutes of your time and give your important contribution to a better design, specification and use of geotextile filters in geotechnical and geoenvironmental applications.

Reported by

Ennio M. Palmeira, R. Jonathan Fannin and Nicola Moraci, IGS TC on Filtration Co-Chairs

IGS Technical Committee on Barrier Systems - TC-B updates the members at GeoAmericas

On May 3rd the board members Malek Bouazza, Kent von Maubeuge, Boyd Ramsey and Nathalie Touze-Foltz invited to the second open members meeting in Lima, Peru during the GeoAmericas 2012 conference, which was participated by 20 of the over 60 members. The board gave an update on the current status of the work which has been done since the 1st meeting. The main work in the last months was gathering current international barrier guidelines and regulations and updating a spread sheet. This will be considered to be published in the next months in a new TC-B section on the official IGS website (www.geosyntheticsociety.org). Further success was made in being present with presentations in special barrier sessions, such as at the GeoAmericas 2012, EuroGeo 2012 and GeoAsia 2012. Future conferences where the TC-B would like to present are: ISSMGE Conference, Paris, September 2013, 7th ICEG, Melbourne, November 2014, 10 ICG, Berlin, 2014 and two TC-B organized workshops 2013 in Chennai, India and Kuala Lumpur, Malaysia.

One of the main future tasks of the TC Barriers (TC-B) board will be to identify new regional leaders (Americas, Asia, Europe, Australia/NZ and Africa), who should support the board in their activities. Willing volunteers may contact the board at any time. With these leaders and the board an update of the barrier guideline and regulation summary should be easily possible and new projects can be started then. These are (but not limited to) to develop publications, power point presentations and small videos on the knowledge, the technology and the construction of and with geosynthetic barrier systems which will also be made public, especially on the IGS TCB website.

Still pending, due to lack of response is the collecting and summarizing of publications of field performance with geosynthetic barrier systems. The idea is to summarize the successful usage of geosynthetic barriers in the past. With the help of the new regional leaders the board wants to continue to focus on this project.

The next planned TC-B member meeting will be in Valencia, Spain during the EuroGeo 2012.

Reported by

Kent von Maubeuge, Co-chair of IGS TC-B

Conference Reports

GeoAmericas 2012 II Pan-American Congress on Geosynthetics Lima, Perú, 1 – 4 May 2012

From May 1st to May 4th of 2012, the Second Pan-American Geosynthetics Congress was held; in which more than 700 people from all around the world participated in.

GeoAmericas 2012 was organized by IGS Peru, with the support of IGS International in Lima, Peru. The venue of the event was the Westin Hotel – the most modern hotel in Lima.

The Organizing Committee prepared the event within 14 months, sharing as main aim, since the first day, to make GeoAmericas 2012 one of the greatest experiences of actualization and exchange of knowledge.

Seventeen of the most recognized engineers of Geosynthetics from all over the world took part in the event as speakers. They provided to the audience 5 courses, 6 keynote lectures, 7 training lectures and 2 panel discussions.

J.P. Giroud was the speaker who participated more than others in the event, presenting one course, one training lecture. He also moderated the session presented by Professor Braja Das and made the closing speech (Thank you my friend).

GeoAmericas 2012 counted with 14 technical sessions, all of them were filled, and with great professionals chairing them. The papers selected were revised and qualified by the greatest international consultants; this is one of the reasons that allowed the technical sessions having the highest level in the field.

The Congress played a promoting role for knowledge; by giving the students of pre and post grade special rates, the authors received a 50% discount during the registration process and scholarships were given to university teachers. In order not to make the language a barrier for knowledge all conferences and technical sessions had simultaneous translation.

The typical dances, food and beverage of Peru also were part of GeoAmericas 2012. The attendees of the opening ceremony learned the typical dances and they put into practice their new knowledge at the closing dinner.

Finally, GeoAmericas 2012 was an excellent gathering point between suppliers and clients, 56 enterprises participated in the Commercial Exhibition and all the 72 stands were sold out.





Reported by
 Juan Carlos Rivera Baca, Chairman of GeoAmericas 2012

2nd International Conference on Performance-Based Design in Earthquake Geotechnical Engineering Taormina, Italy, 28 – 30 May, 2012

The 2nd edition of the PBD (Conference on Performance-Based Design in Earthquake Geotechnical Engineering) was held in Taormina on the 28th, 29th and 30th of May 2012, organised by ISSMGE Technical Committee of Geotechnical Earthquake Engineering and Associated Problems (TC203), the ISSMGE European Technical Committee ERTC-12 and the Italian Geotechnical Society (AGI), under the auspices of the Italian Council of Engineers, the University of Catania and the International Geosynthetics Society (IGS).

Following the footsteps of the most successful PBD Conference held in Tokyo in 2009 and the 5th International Conference in Geotechnical Earthquake Engineering held in Santiago (Chile) in 2010, the Taormina PBD 2012 Conference offered an ideal forum to present and discuss the most recent advances and progresses in Geotechnical Earthquake Engineering and in particular in the Performance Based Design. The Conference was organised around 5 State-of-the-Art, 21 Keynote Lectures, 4 Invited Lectures given by distinguished international experts and 100 presented papers in different topics over 141 selected ones; 3 Special Sessions were devoted to the mega Tohoku 2011 earthquake in Japan, the two large devastating earthquakes in New Zealand (2011) and the Abruzzo 2009 earthquake (totally 14 speakers); 1 Workshop was organised on RRTT, Round Robin Tunnel Centrifuge Test

(totally 6 speakers); 1 Symposium in honour of Prof. S. Prakash (totally 5 speakers). Finally, a replication of Rankine Lecture was made by Malcon Bolton (University of Cambridge, UK) on the Performance-Based Design on Geotechnical Earthquake Engineering.

Totally, there were 155 speakers and 365 authors come from 29 countries. As concerns the State-of-the Art Lectures and the Keynote Lectures, the 26 speakers were: 7 from USA, 6 from Japan, 6 from Italy, 4 from Greece, 1 from Turkey, France and Chile.

The participants to the Conference were totally 235, which come from 32 countries. Apart the hosting country Italy (93 delegates), the most numerous participants come from Japan (26), Greece (21), USA (16), U.K. (10), Turkey (8), Canada (7), Germany (7), Portugal (5), India (4) and New Zealand (4).

The conference was opened with the addresses by Prof. Pedro Seco e Pinto (on behalf of the President of ISSMGE), Prof. Kyriazis Pitilakis (Chairman of the Conference Scientific Committee), Prof. Michele Maugeri (Chairman of the Conference Organizing Committee and representing also IGS), and Prof. Stefano Aversa (President of AGI, Italian Geotechnical Society).

The State-of-Art Lecturers were: K. Ishihara (Chuo University, Tokyo, Japan), M. Jamiolkowski (Politecnico of Torino, Italy), G. M. Calvi (University of Pavia and EUCENTRE, Pavia, Italy), G. Gazetas (National Technical University of Athens, Greece), K. Pitilakis (Aristotle University of Thessaloniki, Greece).

The Keynote Lecturers were: A. Ansal (Boğaziçi University, Turkey), A. Anastasiadis (Aristotle University of Thessaloniki, Greece), K. H. Stokoe (University of Texas, USA), T. Kokusho (Chuo University, Tokyo, Japan), S. Foti (Politecnico of Torino, Italy), S. Kramer (University of Washington, USA), A. Elgamal (University of California, San Diego, USA), R. W. Boulanger (University of California, Davis, USA), J. Bray (University of California, Berkeley), E. Rathje (University of Texas, Austin, USA), I. Towhata (University of Tokyo, Japan), C. Di Prisco (Politecnico di Milano, Italy), K. Tokimatsu (Tokyo Institute of Technology, Japan), S. Yasuda (Tokyo Denki University, Japan), G. Bouckovalas (National Technical University of Athens), R. Paolucci (Politecnico of Milano, Italy, on behalf of A. Pecker), E. Cascone (University of Messina, Italy, on behalf of M. Maugeri), Y. Miyata (National Defence Academy of Japan), E. Kavazanjian (Arizona State University, USA), S. Rampello (University La Sapienza, Rome, Italy); R. Saragoni (University of Chile), was not available to present orally his keynote lecture.

In total 15 sessions were presented:

- The first session of the Conference, chaired by A. Ansal (Boğaziçi University, Turkey) and co-chaired by A. Anastasiadis (Aristotle University of Thessaloniki, Greece), dealt with the topics concerning case histories on ground motion and site effects.
- The second session, chaired by K. H. Stokoe (University of Texas, USA) and co-chaired by S. Foti (Politecnico of Torino, Italy), dealt with the topics concerning the soil investigation with field and laboratory testing.
- The third session, chaired by M. Cubrinovski (University of Canterbury, New Zealand) and co-chaired by G. Lanzo (University La Sapienza, Rome, Italy), dealt with the topics concerning the dynamic characterisation and modelling.
- The fourth session, chaired by S. Kramer (University of Washington, USA) and co-chaired by D. Chodhury (Indian Institute of Technology, India), dealt with the topics concerning the methodologies for PBD and codes.
- The fifth session, chaired by J. Koseki (University of Tokyo, Japan) and co-chaired by F. Silvestri (University Federico II of Napoli, Italy), dealt with the topics concerning the physical modelling by shaking table tests and centrifuge tests.
- The sixth session, chaired by R. W. Boulanger (University of California, Davis, USA) and co-chaired by S. Yasuda (Tokyo Denki University, Japan), dealt with the topics concerning the liquefaction.
- The seventh session, chaired by A. Elgamal (University of California, San Diego, USA) and co-chaired by C. Vrettos (Technical University of Kaiserslautern, Germany), dealt with the topics concerning the numerical analyses for PBD.
- The eighth session, chaired by E. Rathje (University of Texas, Austin, USA) and co-chaired by S. Rampello (University La Sapienza, Rome, Italy), dealt with the topics concerning the slopes.
- The ninth session, chaired by P. Seco e Pinto (University of Coimbra, Portugal) and co-chaired by I. Towhata (University of Tokyo, Japan), dealt with the topics concerning the embankments, landfills and dams.
- The tenth session, chaired by G. Gazetas (National Technical University of Athens, Greece) and co-chaired by R. Paolucci (Politecnico of Milano, Italy), dealt with the topics concerning the shallow foundations; this session includes also the Invited Lecture by A. Papadimitriou (University of Thessaly, Greece).
- The eleventh session, chaired by L. Finn (University of British Columbia, USA) and co-chaired by A. L. Simonelli (University of Sannio, Italy), dealt with the topics concerning the pile foundations; this session includes also the Invited Lecture by G. Mylonakis (University of Patras, Greece).
- The twelfth session, chaired by M. Maugeri (University of Catania, Italy) and co-chaired by A. Papadimitriou (University of Thessaly, Greece), dealt with the topics concerning the soil-structure interaction; this session includes also the Invited Lecture by C. Nuti.
- The thirteenth session, chaired by S. Prakash (University of Missouri, Rolla, USA) and co-chaired by E. Cascone (University of Messina, Italy), dealt with the topics concerning the retaining wall and wharf structures.

- The fourteenth session, chaired by D. Cazzuffi (CESI SpA, Milano, Italy) and co-chaired by P. Carrubba (University of Padova, Italy), dealt with the topics concerning the earth reinforced retaining wall; this session includes also the Invited Lecture by J. Koseki (University of Tokyo, Japan).
- The fifteenth session, chaired by K. Pitilakis (Aristotle University of Thessaloniki, Greece) and co-chaired by F. Silvestri (University Federico II, Napoli, Italy), dealt with the topics concerning the underground structures.



Maicon Bolton, Rankine lecturer 2012, and Michele Maugeri, chairman of the Taormina conference



Gala diner



IGS TC Soil Reinforcement meeting at Taormina (left to right: (left to right A. Bertero, L. Giuliano, Y. Miyata, D. Cazzuffi, P.Carrubba, A. Pasquetto, not included M. Maugeri, who took the photo)

During the Conference some specific meetings of Technical Committees were organized, among which the TC203 meeting of ISSMGE and the TC meeting on Soil Reinforcement of IGS. To this last meeting, Y. Miyata (Secretary of TC-SR), D. Cazzuffi and M. Maugeri (members of TC) were attending, as well as some individual and corporate members of the Italian IGS Chapter.

A complete and updated picture of the advances in performance-based design and construction technologies of earth reinforced retaining walls and slopes, from both a theoretical and an applicative point of view, were provided by the relative Conference Sessions and discussed during the TC meeting on Soil Reinforcement of IGS.

*Reported by
Michele Maugeri, Glenda Abate and Francesco Castelli, IGS members*

International Symposium on Sustainable Geosynthetics and Green Technology for Climate Change (SGCC 2012) Retirement Symposium for Prof. D.T. Bergado Bangkok, Thailand, 20 and 21 June 2012

The International Symposium on Sustainable Geosynthetics and Green Technology for Climate Change (SGCC) was successfully held at Viphavadee Ballroom C, Centara Grand Hotel Ladprao, Bangkok, Thailand last 20 to 21 June 2012. SGCC also served as the Retirement Symposium of Prof. Dennes T. Bergado – the SGCC Organizing Chairman, Professor of Geotechnical and Earth Resources Engineering (GTE) at the School of Engineering and Technology (SET) of the Asian Institute of Technology (AIT), President of International Geosynthetics Society – Thailand Chapter (IGS-Thailand), Director of Asian Center for Soil Improvement and Geosynthetics (ACSIG), and Secretary General of the Southeast Asian Geotechnical Society (SEAGS). The Symposium was hosted by ACSIG and IGS-Thailand and co-organized by Suranaree University of Technology (SUT) and SEAGS under the auspices of the International Geosynthetics Society (IGS).

The Symposium covered topics on geotechnical and geosynthetics engineering for mitigations, applications, and adaptations to changing environments due to climate change and global warming. The wide range of topics included Road Pavements, Railways, and Transport Applications; Flood Control, Reservoirs, and Hydraulic Applications; Mining and Waste Containment and Environmental Protection; Ground Improvement and Remediation, and Case Studies; Reinforced Slopes/Walls and Geohazard Mitigations; Geo-Containers and Geotubes; Behavior of Unsaturated Soils and Rain-Triggered Landslides; Earthquake Engineering and Geophysics; Foundation Engineering and Retaining Walls; Laboratory, Field Tests, and Durability of Geosynthetics; Sustainable Limited Life Geosynthetics (LLGs); Sustainable Geosynthetics Engineering and Applications; Prefabricated Vertical Drains with Vacuum Preloading; Deep Excavation; Deep Cement Mixing and Bio-Cement Stabilization; and, Geo-Disasters due Tsunami.



SGCC Opening Ceremony: (from left to right) Prof. Suksun Horpibulsuk, Prof. Fumio Tatsuoka, Prof. Loren Anderson, Prof. Dennes T. Bergado, Dr. Peter Brenner, Dr. Teik Aun Ooi, Prof. Worsak Kanok-Nukulchai, Prof. Mitsutaka Sugimoto, Prof. Jian Chu, Dr. Myint Win Bo, and Prof. Buddhima Indraratna.



Opening of International Technical Exhibition (Ribbon-Cutting Ceremony) led by (from left to right) Dr. Myint Win Bo, Dr. Teik Aun Ooi, Prof. Worsak Kanok-Nukulchai, Prof. Dennes T. Bergado, Prof. Fumio Tatsuoka, and Prof. Loren Anderson.

Hong Kong, India, Indonesia, Iran, Iraq, Japan, Korea, Laos, Malaysia, Pakistan, Philippines, Singapore, Switzerland, Taiwan, Thailand, United Arab Emirates, United Kingdom, and Vietnam. The Keynote Speakers included Prof. Hideki Ohta from Chuo University (Japan), Prof. Myint Win Bo from DST Consultants (Canada), Prof. Buddhima Indraratna from University of Wollongong (Australia), Prof. Fumio Tatsuoka from Tokyo University of Science (Japan), Prof. Han-Yong Jeon from Inha University (Korea), Prof. Jian-Hua Yin from The Hong Kong Polytechnic University (Hong Kong), and Prof. Chun-Fai Leung from National University of Singapore (Singapore). The Special Speakers included Prof. Yusuke Honjo from Gifu University (Japan), Prof. Jin-Chun Chai from Saga University (Japan), Prof. R. Shivashankar from National Institute of Technology Karnataka (India), Dr. Pham Van Long from Vina Mekong Engineer-

The program was officially opened by Prof. Worsak Kanok-Nukulchai, Vice-President for Resources and Development of AIT together with several dignitaries such as; Dr. Teik Aun Ooi, President of SEAGS; Prof. Fumio Tatsuoka, Immediate Past President of IGS; Prof. Mitsutaka Sugimoto, Nagaoka University of Technology, Japan ; Prof. Loren Anderson, Professor Emeritus of Utah State University, U.S.A. ; Prof. Jian Chu, Iowa State University, U.S.A. ; Prof. Suksun Horpibulsuk, Suranaree University of Technology, Thailand ; Dr. Peter Brenner, Geotechnical Consultant, Switzerland; Prof. Buddhima Indraratna, Wollongong University, Australia; and, Dr. Myint Win Bo, DST Consultants, Canada.

The Symposium was attended by more than 130 guests, speakers, session chairs, sponsors and exhibitors from many countries including Australia, Canada, China, Germany,



SGCC Closing Ceremony: (from left to right) Dr. Teik Aun Ooi, Prof. Loren Anderson, Dr. Peter Brenner, Dr. Martin Wieland, Prof. Ikou Towhata, Prof. Dennes T. Bergado, Dr. Boonthep Nanegrungsung, Prof. Said Irandoust, Prof. Suksun Horpibulsuk, Prof. Fumio Tatsuoka, Prof. Hideki Ohta, and Prof. Han-Yong Jeon

ing Consultants J.S. Company (Vietnam), Prof. Suksun Horpibulsuk from Suranaree University of Technology (Thailand), Prof. Suttisak Soralump from Kasetsart University (Thailand), Dr. Pham Huy Giao from Asian Institute of Technology (Thailand), Dr. Sinat Koslanant from Rambhai Bami Rajabhat University (Thailand), Prof. Aneel Kumar from Mehran University of Engineering and Technology (Pakistan), Dr. Absornsuda Siripong from Chulalongkorn University (Thailand), Dr. Martin Wieland from Poyry Energy Limited (Switzerland), Dr.-Ing. Dimiter Alexiew from HUESKER Synthetics GmbH (Germany), Prof. Shui-Long Shen from Shanghai Jiao Tong University (China), Prof. Der Guey Lin from National Chung-Hsing University (Taiwan), Prof. Hemanta Hazarika from Kyushu University (Japan), and Dr. Sompote Youwai from King Mongkut's University of Technology Thonburi (Thailand). The Invited Speakers included Ir. Tjie-Liong Gouw from BINUS University & Geotechnical Contractor and Engineering Services (Indonesia), Dr. Warat Kongkitkul from King Mongkut's University of Technology Thonburi (Thailand), Dr. Tri Harianto from Hasanuddin University (Indonesia), Dr. Suched Likitlersuang from Chulalongkorn University (Thailand), Prof. Ram Narayan Khare from Shri Rawatpura Sarkar Institute of Technology (India), Dr. Takenori Hino from Saga University (Japan), Dr. Tawatchai Tanchaisawat from Chiang Mai University (Thailand), Dr. Ye-Shuang Xu from Shanghai Jiao Tong University (China), Mr. Yee Tack Weng from TenCate Geosynthetics Asia (Malaysia), Dr. Keeratikan Piriyakul from King Mongkut's University of Technology North Bangkok (Thailand), Dr. Rui Jia from Saga University (Japan), Dr. Hirochika Hayashi from Civil Engineering Research Institute of Cold Region (Japan), Prof. Shin-ichi Nishimura from Okayama University (Japan), Mr. Helmut Zanzinger from SKZ-Te ConA GmbH (Germany), Dr. Cesario Bacosa Jr. from Holy Trinity University (the Philippines), Dr. Budhi Setiawan from University of Sriwijaya (Indonesia), Prof. San-Shyan Lin from National Taiwan Ocean University (Taiwan), and Dr. Martin D. Liu from University of Wollongong (Australia). The Symposium Proceedings consist of 60 papers with 568 pages. Moreover, 19 international and local companies sponsored this event including 12 exhibitors.

The Symposium was officially closed by Prof. Said Irandoust, AIT President, together with several guests such as Prof. Loren Anderson (U.S.A.), Dr. Peter Brenner (Switzerland), Dr. Martin Wieland (Switzerland), Prof. Ikuo Towhata (Japan), Prof. Suksun Horpibulsuk (Thailand), and Dr. Boonthep Nanegrungsung (Thailand).

Throughout the two-day retirement symposium, Prof. Bergado was emotionally overwhelmed by the barrage of positive tributes from honored guests and distinguished speakers, especially during the opening and closing ceremonies.

*Reported by
SGCC Secretariat*

Announcements of Conferences of IGS

10th International Conference on Geosynthetics – 10ICG Berlin, Germany, 21 – 25 September 2014



The German Geotechnical Society (DGGT) and the International Geosynthetics Society (IGS) German Chapter, as a special group within the DGGT, cordially invite you to participate in the 10th International Conference on Geosynthetics (10ICG) in 2014 in Berlin, Germany.

The conference will be held from 21 to 25 September 2014 in direct connection with the 33rd Baugrundtagung (German Soil Mechanics Conference) of DGGT (23 to 26 September 2014).

As the Baugrundtagung expects 1200 participants, great synergy and interaction is expected between these events, especially in the co-organized, co-located exhibition.

The overlapping of lectures from both events will also attract many additional experts from the geotechnique and geosynthetics professions.

Venue

The 10ICG will be held in the south-eastern part of Berlin at the ESTREL convention centre, just 15 minutes from the new international airport Berlin-Schönefeld.

ESTREL offers about 50 rooms for lectures and meetings in different sizes, integrated exhibition halls (approx. 5000 m²) and a 4-star hotel (1125 rooms).

Travelling time from there to the centre of Berlin is about 20 minutes.

Language

The official language of 10ICG will be English.

Exhibition

The 5000 m² technical exhibition space is directly connected to the conference rooms and is half-way between the hotel and the lecture rooms inside the centre.

The exhibition space will be used both by 10ICG and the Baugrundtagung event.

Berlin

Berlin is the capital city of Germany and offers a tremendous number of interesting cultural events, museums and sightseeing attractions directly in the city and its surrounding area.

Berlin is the "gateway" to the eastern part of Europe. The city is easily reachable and the site of many significant political milestones not only in the history of Germany but of Europe and the world.

More than 6.5 million visitors per year experience Berlin. The 10ICG programme for accompanying persons will cover guided city tours, visits to museums and galleries - such as the Museumsinsel (a "World Cultural Heritage" site of UNESCO since 1999) and the Brandenburg Gate – as well as special offers for individual trips and visits to the surrounding area (e.g., Spreewald, Potsdam, Mecklenburg Lakes).

10ICG Conference Themes

- Green Engineering, Sustainability and Durability with Geosynthetics
- Use of Geosynthetics for Renewable Energy
- Mining, Waste Management, Contaminated Sites and Environmental Protection
- Roads, Railways and Other Transportation Applications
- Reinforcement in Walls, Slopes, Embankments and Base Courses
- Flood Control, Levee and Canals, Dams, Reservoirs and Other Hydraulic Applications
- Drainage and Filtration Properties of Geosynthetics
- Geomembrane and Geosynthetic Clay Liner Barrier Systems
- Case Histories and Innovative Uses of Geosynthetics
- Quality Control, Quality Assurance and Accreditation
- On-site Installation Technologies and Monitoring Programs
- Soil-Geosynthetic Interaction and Large-Scale Performance Testing
- Design Approaches
- Regulations and Recommendations
- Looking to the Future with New Geosynthetic Products

Call for Paper

You are invited to send in your abstracts for the conference dealing with the use of geosynthetics in the topics above **starting in January 2013**. The **deadline** for the submission is **15 May 2013**. Please find all necessary information in time on the conference webpage.

For more information

Please visit the website that will be updated in due time: www.10icg-berlin.com

For further information please contact:

Gerhard Bräu (Gerhard.Braeu@bv.tum.de)

Dr. Kirsten Laackmann (service@dggt.de)

Announcements of Regional Conferences of IGS

5th European Geosynthetics Conference Valencia, Spain, 16 - 19 September 2012



The next European Geosynthetics Conference "EuroGeo 5" will be held on 16 – 19 September, 2012 at the Convention & Exhibition Center (Centro de Eventos) in Valencia, Spain under the auspices of the IGS.

The event will be organized by the Spanish IGS Chapter in cooperation with European and national associations of producers and with scientific

and engineering organizations.

The main objective is that the experts, manufactures, applicators and end users can exchange their experiences related to Geosynthetics.

A group of experts will be present in the event and will describe the most recent developments in these fields. The aim of the discussions is to establish an open dialogue which will enable to enhance the participants' knowledge.

The EuroGeo5 will appeal to all participants in the field of Geosynthetics whether in a practical or scientific sense: project authorities, designers, technicians, manufacturers, applicators, inspectors, researchers, regulators, experts, users, consultants, laboratories and other persons who, due to their professional activities, are interested in this field of technology.

Main Subjects of the Conference

The conference will provide an overall look at the multiple applications of

- Transport (roads, railways, tunnels, airports)
- Hydraulic structures (dams, reservoirs, 'canals)
- Erosion control and coastal works
- Waste landfills
- Soil improvement and reinforcement
- Mining
- Environmental applications
- Agriculture and aquaculture
- Building construction
- Remediation technologies

All aspects of the use of Geosynthetics will be dealt with, drawing on experience gained from case histories as well as research and development into new products and uses:

- Testing and properties
- Specifications and certifications
- Long term experiences and durability
- Design concepts and calculation methods
- Installation and pathology.

Keynote Lectures

- Jean Pierre Giroud "Geosynthetics: a remarkable discipline with great achievements in the past and exciting challenges for a bright future "
- Nathalie Touze-Foltz "Performance of geosynthetics for environmental protection in landfills"
- Manuel Blanco and Ángel Leiro "Spanish experience in Geomembranes in hydraulic applications"

Educational Sessions

- Philippe Delmas "Geosynthetics in environmental engineering: applications and design methods"
- Krystian W. Pilarczyk and Adam Bezuijen "Geosynthetics in hydraulic and coastal engineering"
- Martin Ziegler and Gerhard Bräu "Geosynthetics in reinforced soil structures"
- Russell Jones "An introduction to geosynthetics: descriptions and applications"

Additionally there will be held two different short courses on the afternoon of 16th September 2012, preliminary to the congress

Technical Exhibition

Exhibitors will present the latest technological innovations and associated services to the conference delegates and visitors.

The technical exhibition is open to all interested companies and organizations. Information and a registration file will be available on the conference website.

Languages

The official languages will be English and Spanish. Simultaneous translation will be provided. All written communications will be presented in English and/or Spanish.

For more Information

For more information please visit the Conference website www.eurogeo5.org or contact the Conference Secretariat: E-mail info@eurogeo5.org

Geosynthetics Asia 2012

5th Asian Regional Conference on Geosynthetics

Bangkok, Thailand, 13 - 16 December 2012



The Fifth Asian Regional Conference on Geosynthetics (GA2012) will be held in Bangkok, Thailand from 13 to 16 December 2012. GA2012 will be hosted by the Asian Center for Soil Improvement and Geosynthetics (ACSIG) in the Geotechnical and Earth Resources Engineering (GTE) Program under the School of Engineering and Technology (SET) at the Asian Institute of Technology (AIT). The theme of this Conference is "Geosynthetics for Sustainable Adaptation

of Climate Change". The Conference theme includes the following:

Keynote Lectures

- Keynote 1: Embankments on Soft Ground and Ground Improvement
- Keynote 2: Riverbank and Coastal Protection
- Keynote 3: Geosynthetics for Environmental Protection
- Keynote 4: Soil Reinforced Structures
- Keynote 5: Geosynthetics Innovation for Sustainable Engineering

Conference Theme Lectures

- Geosynthetics for Climate Change due to Global Warming (Reinforced Slopes, Reinforced Embankment/Walls, Erosion Control)
- Sustainable Infrastructure including Limited Life Geosynthetics (LLGS) (Green Geosynthetics, Bioplastics, Natural Fibers, Renewable, Durability)
- Geosynthetics for Human Security (Flood Controls, Roads and Railways, Dams, Levees and Canals)
- Geosynthetics for Food and Agriculture (Irrigation Canals, Aquaculture Ponds)
- Geosynthetics for Water Conservation (Lining Systems, Geocontainer, Reservoirs)
- Geosynthetics for Leisure Activities and Sports (Artificial Lakes, Golf Courses, Race Tracks)
- Geosynthetics for Waste Disposal and Mining Activities (Geomembranes, Geosynthetic Clay Liners, Interface Shear Strengths)
- Geosynthetics for Coastal and Riverbank Protection (Drainage, Filtration, Geotubes, Geobags)
- Geosynthetics for Soft Ground Improvement (Prefabricated Vertical Drains, Vacuum/Electro-Osmotic/Heat Preloading)
- Case Histories and Innovations (Geosynthetics Interaction, Seismic Resistance, Futuristic, Innovative)

Language

The official language of this conference will be English

Important Dates

For Technical Papers:

- Notification for Paper Acceptance 15 July 2012
- Final Paper Submission 01 October 2012

For Case Histories and Student Papers:

- Deadline for Abstract Submission 15 July 2012
- Notification of Abstract Acceptance 31 July 2012
- Deadline for Paper Submission 31 August 2012
- Notification for Paper Acceptance 15 September 2012
- Final Paper Submission 01 October 2012

Deadline for Author Registration 01 October 2012

For more information

For further information, please contact: GA2012 Secretariat

Email: igs-thailand@ait.ac or bergado@ait.ac.th

Website: <http://www.geosynthetics-asia2012.com/>

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Announcements of Conferences under the Auspices of IGS

2nd International Conference on Transportation Geotechnics (IS-Hokkaido 2012)

Sapporo, Hokkaido, Japan, 10 - 12 September 2012

2nd International Conference
on
Transportation Geotechnics
IS-Hokkaido 2012

The 2nd International Conference on Transportation Geotechnics (2nd ICTG) will be hosted by the Hokkaido Branch and TC202 (Transportation Geotechnics) Japanese Domestic Committee of Japanese Geotechnical Society (JGS). It will offer an excellent opportunity to discuss some issues essential for further development in transportation geotechnics. This conference will comprise parallel sessions over a 3-day period, including keynote lectures, oral presentations, discussion and exhibition. Several workshops, relating to intelligent compaction technologies and

geotechnical challenges for transportation geotechnics in extreme climates and in rail track and its transitional zones, are also planned on the previous day. All the accepted papers are included in the proceedings. Furthermore, the limited number of selected papers can be considered for publications in the special issue of Soils & Foundations, subjected to the usual peer-reviewing process set out by the JGS editorial committee, and the relevant authors will be notified at an appropriate time.

Main Subjects of the Conference

- Geotechnics for Pavement, Rail Track and Airfield
- Geomaterial, including Nontraditional Materials
- Asphalt Mixtures and Hydraulically-bound Materials
- Earthworks for Transportation Facilities
- Application of Geosynthetics
- Laboratory Testing and In-situ Testing
- Modeling and Numerical Simulations, etc.

Language

English is the official language of the conference

For more information

More information may be found at the Conference website: <http://congress.coop.hokudai.ac.jp/tc202conference/>

Please contact and send abstracts or enquiries to email: tc3conference@eng.hokudai.ac.jp

International Conference on Ground Improvement and Ground Control

Transport Infrastructure Development and Natural Hazards Mitigation

Wollongong, Australia, 30 October – 2 November 2012

The Centre for Geomechanics and Railway Engineering, University of Wollongong, Australia and the Australian Geomechanics Society (AGS) under the auspices of ISSMGE will be hosting the International Conference on Ground Improvement and Ground Control: Transport Infrastructure Development and Natural Hazards Mitigation. The Conference is also supported by the International Geosynthetics Society (IGS) and the Southeast Asian Geotechnical Society.

The Conference will be held at the Innovation Campus of University of Wollongong, Australia, during October 30 - November 2, 2012. It will be aimed at promoting the latest ground improvement concepts and applications predominantly in the fields of transportation and natural hazards management. Following the earlier successful conference in Singapore, this Conference will act as a platform for disseminating the most recent research developments and field advances to the geotechnical community around the globe. It is expected to be the biggest Ground Improvement conference to be held in this region.

The Conference will consider papers in, but not limited to, the following themes:

- Soft Soil Consolidation

- Sand and Gravel Piles, Stone Columns and Rigid Inclusions
- Geosynthetics Reinforcement
- Compaction and Vibroflotation
- Grouting and Chemical Stabilization
- Electro-kinetic, Electro-osmotic, Bio-engineering, Thermal and Explosion-based Techniques
- Methods of Preventing Soil Erosion, Scour and Internal Piping
- Ground Control in Underground and Surface Mine Excavations
- Methods of Stabilisation of Landslides and Mass Movement
- Surface and Sub-surface Drainage
- Stabilisation of Fractured and Jointed Rockmass

We cordially invite all to attend the conference in Wollongong in 2012.

For further information

Please visit the following conference website for more details: <http://www.icgiwollongong.com>

Please contact the ICGI Conference Secretariat:

Dr Jayan S. Vinod, Faculty of Engineering, University of Wollongong, Wollongong City, NSW 2522, Australia

Phone: 02 4221 4089

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3rd Int. Conference on Geotechnical Engineering (ICGE'13) Hammamet, Tunisia, 21 - 23 February 2013



The Geotechnical Engineering Research Team (Unité de Recherche Ingénierie Géotechnique-URIG) has the pleasure to invite you for the participation in the third International Conference on Geotechnical Engineering (ICGE'13) to be held at Hammamet (Tunisia) February 21 - 23, 2013, under the auspices of the IGS.

The ICGE'13 provides a forum for exchange ideas and discussions on topics related to Geotechnical Engineering. Senior and young researchers, scientists and engineers from overseas are invited to attend this conference, to share and to exchange their knowledge.

ICGE'13, also, includes three workshops:

1. Workshop on "Sustainable Construction",
2. Workshop on "Geosynthetics",
3. Workshop on "Micromechanical Experimentation and Modeling of Granular Soils".

Aims and Scopes

The objectives of the ICGE'13 are to promote good relationship and cooperation between geotechnical researchers and engineers. Such an international event also provides an opportunity for the exchange of experiences and information about theoretical, practical and technical aspects related to Geotechnical Engineering. The conference is also an occasion to look at the developments, advances and innovation achievements in soil mechanics, rock mechanics and applied geophysics. ICGE'13 represents a world forum for the presentation and the publication of theoretical contributions, numerical computations and experimental investigations in the field of Geotechnical Engineering.

Main Topics

- Soil behavior
- Soil improvement
- Foundations and underground constructions
- Analysis and management of seismic risk
- Rock mechanics and slope stability
- Environmental geotechnics
- Unsaturated soils
- Hydraulic works

Keynote Lectures

- Advances in the Use of Geosynthetics in Geotechnical Engineering, J. G. Zornberg. (U.T. at Austin, USA)
 - Stabilization of Problematic Soils: Sustainability and Durability Assessments, A. J. Puppala (The University of Texas at Arlington, Texas, USA).
- Analysis of Dynamic Loading and Penetration of Soils - Applications to Site Investigation and Ground Im-

provement, J. Carter (University of Newcastle Callaghan, AUSTRALIA)

- Structural Formation of Transportation Infrastructure in China, Y. Qiu (Southwest Jiaotong University, Chengdu, China).
- Micromechanical Modeling and Analysis of Saturated Granular soils, M. Zeghal (Rensselaer Polytechnic Institute in Troy, New York, USA).
- Centrifugal Modeling of Soil Contamination and Remediation, J. N. Meegoda (New Jersey Institute of Technology, Newark, USA).

Important Dates

Reception of Papers for Review	30 September 2012
Notification of Paper Acceptation	30 November 2012
Reception of Ready Papers	31 December 2012
Conference Date	21 - 23 February 2013

Languages

English is the official language of the conference.

Nevertheless a limited number of papers written in French may be accepted.

Simultaneous translation to French is affordable during the main sessions of ICGE'13.

For more Information

Further information can be found at: <http://www.icge13.com>

Geosynthetics 2013 Long Beach, California, USA, 01 – 04 April 2013



Geosynthetics 2013 is co-locating with the Southwest Geotechnical Engineers Conference and will also feature the Geosynthetic Research Institute's GRI-25 Conference.

About the Southwest Geotechnical Engineers Conference

The Southwest Geotechnical Engineers Conference is one of the Federal Highway Administration's (FHWA) most successful geotechnical technology transfer activities. State departments of transportation (DOT) and FHWA personnel who participate in this conference consider it one of the best and most productive technical sessions they attend each year.

The agenda includes a variety of geotechnical topics and case histories—deep foundations, embankments, earth retaining structures, landslides, soil stabilization, and rock fall, among others. Participants for this conference represent members from nine state DOTs: Kansas, Oklahoma, Louisiana, Texas, Nevada, California, New Mexico, Hawaii, and Arizona. Other attendees include FHWA and Army Corps (USACE) personnel, contractors, consultants, and suppliers.

The conference is typically two and a half days long including a half-day technical field trip. The participants also find this event a great opportunity to interact with colleagues from various parts of the country and to share their experiences. That networking will be particularly effective at Geosynthetics 2013.

About the GRI-25 Conference

In 2013, the GRI-25 conference will include a 25-year anniversary: "Retrospectives on the geosynthetic industry and glimpses into the future."

The conference will reflect on where the geosynthetics industry has been and peek into the future. GRI-25 will explore geosynthetics history and future during four distinct sessions:

Session 1—Geosynthetic Structure, with presentations on resins, additives, manufacturing, specifications, testing, design, and installation.

Session 2—Geosynthetic Materials, with presentations on geosynthetic reinforcement, geotextile filters, geomembranes, geonets/geocomposites, geosynthetic clay liners, and geofoam.

Session 3—Geosynthetic Systems, with presentations on walls and slopes, liner systems, waterproofing systems, heap leach mining, pavements, and erosion control.

Session 4 —Geosynthetic Organizations, with presentations on IFAI/GMA, IGS, federal agencies, ASTM, *Geosynthetics* magazine, and GSI.

Written papers will be collected in a proceedings (with no limit on the amount of detail), followed by relatively short presentations at the conference in Long Beach, Calif.

About the Geosynthetics 2013 schedule

The Geosynthetics 2013 conference will also include plenary lectures, short courses, technical sessions, panel

discussions, a large exhibit hall, lunches in the exhibit hall, an opening night reception in the exhibit hall, and many networking opportunities.

About lodging

Registration and housing options are now open—book early for the best hotel rates. We have negotiated special conference rates at the Hyatt, Renaissance, and Westin hotels in Long Beach. Please go to the Geosynthetics 2013 website's housing page for booking information: www.geosynthetics2013.com/housing_travel.cfm

About Long Beach

Long Beach, Calif., is south of central Los Angeles, settled along more than five miles of sandy coastline. It is the quintessential getaway, boasting both the ambience of a sophisticated urban center and the charm of a seaside community.

Located 20 miles south of Los Angeles, California's fifth-largest city offers visitors a range of oceanfront hotels, attractions, shopping, recreational activities, art and culture, restaurants, and nightly entertainment that make it an ideal destination any time of the year.

The Geosynthetics 2013 conference is at the Long Beach Convention and Entertainment Center. Getting to Long Beach is easy, with direct flights into the Long Beach Airport (LGB) from many cities. If you prefer to fly into Los Angeles (LAX) or Orange County (SNA), Long Beach is about a 30-minute drive from either airport.

Make your plans now to attend Geosynthetics 2013 in Long Beach.

For more information

Conference webpage: <http://www.geosynthetics2013.com/>

For further information please contact:

Technical Program Co-Chairs: Shobha Bhatia Syracuse University, skbhatia@syr.edu

Stan Boyle Shannon & Wilson, srb@shanwil.com

Technical Program Manager: Barbara Connett, bjconnett@ifai.com

International Symposium on Design and Practice of Geosynthetic-Reinforced Soil Structures Bologna, Italy, 14 - 16 October, 2013

This symposium is held to honor the research achievement of Prof. Dov Leshchinsky. He is a world-renown researcher and educator on reinforced soils and has been a professor of geotechnical engineering at the University of Delaware for more than 30 years.

The symposium will be held under the auspices of:

- the International Geosynthetics Society
- the Italian Geotechnical Association
- TC 101 & TC 305 of the International Society of Soil Mechanics and Geotechnical Engineering
- Department of Civil, Environmental and Materials Engineering (DICAM), University of Bologna
- Japanese research institutes (Public Works Research Institute, Railway Technical Research Institute and National Institute for Rural Engineering).

Symposium topics

- Geosynthetic-reinforced soil retaining walls
- Geosynthetic-reinforced soil slopes
- Construction of reinforced embankments over soft soil
- Geotextile tubes
- Geosynthetic-reinforced soil structures for railways and highways
- Properties of backfill soils, geosynthetics, and soil-geosynthetic interaction

Special and keynote lectures

- Leshchinsky, D. (USA): Design approaches to geosynthetic-reinforced walls and slopes
- Cazzuffi, D. (Italy): Geosynthetics engineering
- DiMaggio, J.D. (USA): Geosynthetic-reinforced soil walls and slopes: Best practices in design and construction and reality: Why they differ
- Koseki, J. (Japan) & Shibuya, S. (Japan): Mitigation of disasters by earthquakes and rains/floods by means of geosynthetic-reinforced soil retaining walls
- Nicola Moraci (Italy): Soil-geosynthetic interaction: Design parameters from experimental and theoretical analysis

- Tatsuoka, F. (Japan): Laboratory stress-strain tests for developments in geotechnical engineering research and practice (Bishop Lecture revised for Geosynthetics Engineering)

Abstracts should be submitted online with further instructions available at <http://www.civil.columbia.edu/bologna2013>

Organizing Committee

- Fumio Tatsuoka, Tokyo University of Science, Japan
- Guido Gottardi, University of Bologna, Italy
- Hoe I. Ling, Columbia University, USA
- Jie Han, University of Kansas, USA

News from the IGS Chapters and the Membership

REMTECH EXPO 2012

Remediation Technologies and Requalification of the Territory Exhibition - 6th Edition

Ferrara, Italy, 19 - 21 September 2012

RemTech Expo 2012, the most specialized event dedicated to remediation technologies and territory requalification, takes place at the Ferrara Exhibition and Conferences Centre in Italy from 19th to 21st September 2012 under the auspices of the Italian Chapter of IGS, i.e. AGI-IGS.

Industrial realities, geosynthetics companies, oil operators, remediation sectors, societies, public administrations, research and universities: these are the worlds RemTech addresses even more markedly, with an important promotion toward international market, an awareness Road Show on the national one and conference sessions of high technical and scientific level.

A renewed and enlarged exhibition area, to give specialized companies the most qualified window, is accompanied by training courses for operators, authorities and decision makers, pilot tests and outdoor demonstrations, foreign delegations representative of the principal buyers, focuses on innovative technologies field, degree and Ph.D. awards, and special awards.

Coast Expo – Special Section

Coast Expo 2012, the special section of RemTech 2012, is the third edition of the Coastal Protection Exhibition. It represents the most specialized event dedicated to coastal and sea protection and it takes place from 19th to 21st September 2012, in parallel session with RemTech. This year, thanks to the collaboration of main institutions, coastal regions and port authorities, Coast Expo increases its exhibition and conferences proposal, focusing even more deeply on themes such as dredging, sediments, protection and preservation of coasts, reservoirs and rivers. The important promotion both on national and international market, the renewed and enlarged exhibition area, including geocontainers, conference sessions of high technical and scientific level, foreign delegations representative of the principal buyers, degree awards, courses on coastal protection and coastal environment monitoring, dedicated to companies, professionals, authorities and public administrations, offer specialized companies the most qualified window and an exclusive meeting place.

Organization Office

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Further Information

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XXV Italian National Conference on Geosynthetics Bologna, Italy, 18 October 2012

The Italian Chapter of the International Geosynthetics Society (AGI-IGS), together with the Italian Geotechnical Society (AGI) and with BolognaFiere-SAIE 2012, organizes the XXV Italian National Conference on Geosynthetics, this year dedicated to "Sustainable applications for the protection of the environment".

The morning session will be chaired by Stefano Aversa (President of AGI, the Italian Geotechnical Society) and will be opened by the invited lecture by Russell Jones, IGS Vice-President, the other contributions will be devoted to the presentation of the state of the art concerning the applications related to the reinforcement of embankments and also to drainage and filter works, including sport fields.

The afternoon session will be chaired by Daniele Cazzuffi (President of AGI-IGS, the Italian Chapter of IGS) and will be opened by the invited lecture by Jan Retzlaff, Germany, on durability issues. The other contributions will be mainly focused on landfills and hydraulic applications.

More information on the Conference programme and on the registration will be available soon by contacting the Secretariat at the following email: agiroma@iol.it

During the conference, the first developments of the Italian guidelines on the use of geosynthetics in earth reinforcement structures will be also outlined.

Reported by

Daniele Cazzuffi, President of AGI-IGS

New Indian Journal of Geosynthetics and Ground Improvement

Geosynthetics are now being increasingly used worldwide for every conceivable application in civil engineering, namely construction of dam embankments, canals, approach roads, runways, railway embankments, retaining walls, slope protection works, drainage works, river training works, seepage control, etc. due to their inherent qualities.

Its use in India though is picking up, is not anywhere close to recognition that it deserves, that these products have numerous uses in different fields and have been successfully used worldwide. This is due to limited awareness of the utilities of this material and the developments taking place in its use.

As part of the promotion of application of geosynthetics for various development activities in the field of water resources, hydro power, roads, coastal protection and other possible applications, the Indian Chapter decided to publish the Indian Journal of Geosynthetics and Ground Improvement, with the aim to provide latest information in regard to developments taking place in the relevant field of geosynthetics as well as to improve communication and understanding regarding such products, among the designers, manufacturers and users.

This half yearly journal will contain original research reports, review papers and communications screened by the Editorial Board. The Journal will be available both in print and online versions. There are no publication charges.

Reported by

Uday Chander, Indian Chapter

Educating on erosion control with geosynthetics Lyon, France, 29 March 2012

The French Chapter of the IGS (CFG) organised on March 29th in Lyon, a day around erosion control with geosynthetics. In the morning 192 people learned some basics on Geotextiles and related products, Geomembranes, geosynthetic clay liners and their use for environmental applications. The afternoon was dedicated to 8 presentations related to the use of geosynthetics in erosion control. A first presentation developed the content of the guide of recommendations elaborated by the CFG on erosion control with geosynthetics (<http://www.cfg.asso.fr/publications-supports-pedagogiques/referentiels-techniques/recommandations/lutte-contre-lerosion>).

The presentation of a recently developed standard regarding the stabilisation of a thin layer on slope was performed in the second presentation (NF G38067). The six following presentations were case studies of the use of erosion control geosynthetics, for landfill covers and roads and railways. The event was very well attended by 192 participants, among which more than a third were non IGS members.

The event was opened by Jean-Pierre Magnan, President of the French Chapter of IGS.

The CFG organizes such events each year in order to disseminate the knowledge on geosynthetics by means of a given topic each year. They provide attendees the opportunity to learn on the state-of-the-art in a preset field of application or topic. Each year the event takes place in a different part of the country.

Also, the participation of practitioners was encouraged since presentation of case histories was, as usual, a substantial part of the program. The 16 exhibitors could get interesting contacts with the participants.



Attendance during the preliminary courses on geosynthetics



Attendance during the session on erosion control

Reported by
Nathalie Touze, French IGS Chapter Correspondent

7th General Assembly and Symposium of Chinese Geosynthetics Association and IGS West Pacific Chapter Taipei, Taiwan, 24 March 2012



Chinese Geosynthetics Association and IGS West Pacific Chapter held the annual general assembly and board election at the National Taipei University of Technology on March 24th, 2012. The next advisory members and supervisors elected by the membership, and also, Dr. Yueh Liang, the highest number of votes elected, would continue to serve as chairman of the 2012 to 2014 term. Mr. Michael Liu would serve as the secretary-general.

Two experts were invited as keynote speakers in the meeting. The first speaker was Zheng-Yang Lee, the deputy chief of Soil and Water Conservation Bureau, Council of Agriculture, Executive Yuan. The topic is "The Strategy of Landslides Precaution under Recent Climate Change." The second speaker was Dr. Wen-Yi Hong, National Center for Research on Earthquake Engineering. The topic is "Seismic Behavior of Reinforced Embankments – Interpretation from Centrifuge Tests."



Board re-election meeting



Zheng-Yang Lee, the deputy chief of Soil and Water Conservation Bureau, Council of Agriculture, Executive Yuan.



Dr. Wen-Yi Hong, National Center for Research on Earthquake Engineering

Reported by
Michael Liu, IGS News Correspondent from West Pacific Chapter

37th Meeting of CEN/TC 189 Geosynthetics Milano, Italy, 23 - 25 May 2012

CEN/TC 189 Geosynthetics organised its annual meeting in 2012 at the headquarters of the Italian standards organisation UNI in Milano (23 - 25 May 2012). In fact, in order to avoid the extremely busy period just before Christmas, the meeting was shifted forward in the year to the end of May, i.e. only six months after the previous meeting (Vienna, November 2011). Nevertheless there was surely a need for this meeting, since the revision of a large set of standards had to be completed before the transition period to the new European legislation (the CPR) starts.

As usual the plenary meeting of the technical committee was preceded by working group meetings. A novelty this time was a coordination meeting between CEN and ISO, to allow both standardization organisations to align their work programmes.

Highlights in the activities of the working groups were:

- WG 1, product requirements for geotextiles (convenor Ph. Delmas, France), completed its revision of a package of ten standards for a wide variety of applications. These standards support the EU legislation and will be submitted to vote soon.
- The ad hoc group "surface erosion control" (convenor H. Zanzinger, Germany) had its kick-off meeting.
- WG 2, physical testing and terminology, which was made dormant last year, will be reactivated. Erol Güler (Turkey) will be the new convenor.
- WG 3, mechanical testing (convenor D. Cazzuffi, Italy) had to designate a new convenor, since Daniele Cazzuffi was recently unanimously appointed chairman of CEN/TC 189. Clarissa Austin, UK will take over the lead of the working group.
- WG 4, hydraulic testing (convenor N. Touze-Foltz, France) did not meet in Milan but will meet at EuroGeo in Valencia to finalize their standard on geosynthetic clay barriers.
- WG 5, durability testing (convenor J. Retzlaff, Germany), finalized their work in support of WG 1 and WG 6 and will now tackle the issue of long-term durability, a.k.a. the 100 year service life. As Jan Retzlaff was unable to attend, Andrew Curzon (UK) replaced him as convenor just for this meeting.
- WG 6, product requirements for geosynthetic barriers (convenor K. von Maubeuge, Germany) completed the revision of a package of six standards for a variety of applications. These standards support the EU leg-



Participants to the plenary session of the CEN TC 189 meeting in Milano

isolation and will be submitted to vote soon.

The plenary session was chaired for the first time by the new TC 189 chairman, Daniele Cazzuffi (CESI SpA, Milano, Italy). The plenary meeting was attended by 40 delegates from 11 countries, who discussed the findings of the working groups, while the three days of meetings registered an overall participation of more than one hundred experts from 15 countries, including United States.

The next meeting will be held at BSI in London on 14 - 16 May 2013 and will be hosted by the UK delegation.

CEN/TC 189 has the good tradition to organise a delegates' dinner on Thursday evening before the plenary session. This time the Italian geosynthetics industry invited all experts to a Milanese restaurant for a very enjoyable evening, appreciated by all attendees.

Reported by

Fred Foubert, Secretary of CEN TC 189 and IGS member

News from the IGS Brazil

XVI Cobramseg, 15 September 2012

The geotechnical community and other professionals in related fields are invited to participate in the XVI Brazilian Congress of Soil Mechanics and Geotechnical Engineering - Cobramseg and V Symposium of Young Geotechnical - GEOJOVEM to be held in 15 to September 18, 2012, in Porto de Galinhas - PE. The events constitute a privileged forum of debates on the Geotechnics. The theme is extensive, involving all areas of knowledge necessary for professional practice in geotechnical construction of civil infrastructure. The 2012 XVI Cobramseg and V GEOJOVEM have as a central theme Geotechnical Engineering: Environment, Development, Challenges and Solutions.

2nd IGS Brazil Annual Meeting / Geosynthetics on Agenda

IGS Brazil completes 15 years of its foundation in 2012. The date will be celebrated during the 2nd IGS Brazil Annual Meeting / Geosynthetics on Agenda, on June 29 in Sao Paulo. Professionals, companies and students of geosynthetics sector will gather around a wide program that includes the presentation and installation of two working groups ("Geosynthetics Application in Landfills" and "Requirements for Geosynthetics Application"), the disclosure of the association's restructuring project and the results of research conducted with members in 2011.

1st IGS Brazil Case Histories Championship

Launched in April this year, IGS Brazil Case Histories Championship aims to encourage its members to disclose their more innovative and challenging works performed with geosynthetics. The winners will have their case histories published in the magazine Foundations & Geotechnical Works, an important communication vehicle for the Brazilian sector, and in the IGS Brazil Bulletin, besides receiving an award during the 2nd IGS Brazil Annual Meeting / Geosynthetics on Agenda. In this first edition, the winners are (in alphabetical order):

- Walls of reinforced soil used to reduce in height the level of a railroad, from Paulo J. Brugger, Rosângela de Oliveira Munhoz Gomes and Marcelo Conte
- Geogrids used to reduce the thickness of a roadway base and subbase and to improve the subgrade soil bearing capacity in roadway Iquitos - Nauta, from Carlos Antônio Centurión, Augusto Alza Vilela and Miguel Rivera Marquina
- Geosynthetics used to rebuild a slope using the local soil and recovering the primary geometry, from Fagner Alexandre Nunes de França and Vinícius Rocha Gomes Pereira

Reported by

Carolina Carvalho, Secretary IGS Brazil

List of IGS Chapters

Argentina

Argentinean Chapter (2009)
President: Prof. Sergio Reyes,
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Australia and New Zealand

Australasian Chapter (2002)
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Belgium

Belgian Chapter (2001),
Chairman: Frans De Meerleer
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West Pacific Regional Chapter

West Pacific Regional Chapter (1997)
President: Dr. Liang, Yueh
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Note:

- If you find your information is incorrect please contact your chapter secretary or if you are not affiliated with a chapter contact the IGS secretary. Please also advise the IGS News editor

Conferences
Symposia
Workshops

Calendar of Events



Short Courses
Expositions
Trade Shows

Shaking the Foundation of Geo-engineering Education (SFGE) 2012
Galway, Ireland
4 - 6 July 2012
E-mail: bryan.mccabe@nuigalway.ie
www.sfge2012.com

11th ANZ 2012 Geomechanics Conference
Melbourne, Australia
15 - 18 July 2012
E-mail: nicole@leishman-associates.com.au
www.anz2012.com.au

Symposium on EXPERIMENTAL STUDIES WITH GEOSYNTHETICS in Conjunction with 15th International Conference on Experimental Mechanics (ICEM15)
Porto, Portugal
22 - 27 July 2012
E-mail: cvieira@fe.up.pt
www.paginas.fe.up.pt/clme/icem15/symposia.htm#SYMPOSIUM_Nº_4

22nd European Young Geotechnical Engineers Conference 2012
Gothenburg, Sweden
26 - 29 August 2012
E-mail: eygec2012@sqf.net
www.sqf.net

6ICSE - 6th International Conference on Scour and Erosion
Paris, France
27 - 31 August 2012
E-mail: contact@icse-6-2012.com
www.icse-6.com

Advances in Multiphysical Testing of Soils and Shales
Lausanne, Switzerland
3 - 5 September 2012
E-mail: amtss@epfl.ch
www.amtss.epfl.ch

IS-Hokkaido 2012 - 2nd International Conference on Transportation Geotechnics
Sapporo, Hokkaido, Japan
10 - 12 September 2012.
E-mail: tc3conference@eng.hokudai.ac.jp
www.congress.coop.hokudai.ac.jp/tc3conference

7th International Conference in Offshore Site Investigation and Geotechnics: Integrated Geotechnologies, Present and Future
London, United Kingdom
12 - 14 September 2012
E-mail: peter.allan@geomarine.co.uk; zenon@tamu.edu

The Seventh Asian Young Geotechnical Engineers Conference (7AYGEC)
Tokushima, Japan
12 - 14 September 2012
E-mail: uzuoka@ce.tokushima-u.ac.jp
<http://sites.google.com/site/7aygec/>

EUROGEO5 - 5th European Geosynthetics Conference
Valencia, Spain
16 - 19 September 2012
E-mail: info@eurogeo5.org
www.eurogeo5.org

ISC'4 - 4th International Conference on Geotechnical and Geophysical Site Characterization
Pernambuco, Brazil
18 - 21 September 2012
E-mail: isc-4@factos.com.br
www.isc-4.com/index.php

REMTECH EXPO 2012
Remediation Technologies and Requalification of the Territory Exhibition - 6th Edition
Ferrara, Italy
19 - 21 September 2012
E-mail: info@remtechexpo.com
www.remtechexpo.com

32. Baugrundtagung with Exhibition „Geotechnik“
Mainz, Germany
26 - 29 September 2012
www.dggt.de

XXV Italian National Conference on Geosynthetics
Bologna, Italy
18 October 2012)
E-mail: agiroma@iol.it

International Conference on Ground Improvement and Ground Control: Transport Infrastructure Development and Natural Hazards Mitigation
Wollongong, New South Wales, Australia
30 October - 2 November 2012
E-mail: icgi_2012@uow.edu.au
www.icgiwollongong.com

Third African Young Geotechnical Engineering Conference (3AYGEC'12)
Cairo, Egypt
16 - 18 November 2012
E-mail: aygec3@yahoo.com

GEOSYNTHETICS ASIA 2012 (GA2012)
5th Asian Regional Conference on Geosynthetics
Bangkok, Thailand

13 - 16 December 2012
www.set.ait.ac.th/acsig/igs-thailand

4th International Seminar on Forensic Geotechnical Engineering
Bangalore, Karnataka, India
10 - 12 January 2013
E-mail: gls@civil.iisc.ernet.in

First Pan-American Conference on Unsaturated Soils (Pam-Am UNSAT 2013)
Cartagena de Indias, Colombia
20 - 22 February 2013
E-mail: pana-munsat2013@uniandes.edu.co
<http://panamunsat2013.uniandes.edu.co>

3rd Int. Conference on Geotechnical Engineering (ICGE'13)
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21 - 23 February 2013
<http://www.icge13.com>

Geosynthetics 2013
Long Beach, California, USA,
01 - 04 April 2013
www.geosynthetics2013.com

9th Rencontres Géosynthétiques
20th Anniversary of Rencontres Géosynthétiques
Dijon, France
9 - 11 April 2013
www.rencontresgeosynthetiques.org

Second International Symposium on Geotechnical Engineering for the Preservation of Monuments and Historic Sites
Napoli, Italy
30 - 31 May 2013
E-mail: secretariat@tc301-napoli.org
www.tc301-napoli.org

5th International Symposium on Geotechnical Engineering, Disaster Prevention and Reduction, and Environmentally Sustainable Development
Incheon, South Korea
May 15-17 May 2013
E-mail: ecshin@incheon.ac.kr

TC215 ISSMGE - International Symposium on "Coupled Phenomena in Environmental Geotechnics (CEPG) - from theoretical and experimental research to practical applications"
1 - 3 July 2013
Torino, Italy
E-mail: guido.musso@polito.it; andrea.dominijanni@polito.it

18th International Conference for Soil Mechanics and Geotechnical Engineering
Paris, France
1 - 5 September 2013
E-mail: vgauthier@lepublicsysteme.fr
www.issmge2013.org

International Symposium on Design and Practice of Geosynthetic-Reinforced Soil Structures
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14 - 16 October 2013
<http://www.civil.columbia.edu/bologna2013>

8th European Conference on Numerical Methods in Geotechnical Engineering (NUMGE14)

Delft, Netherlands, The
18 - 20 June 2014
E-mail: info@numge2014.org
www.numge2014.org

10th International Conference on Geosynthetics
Berlin, Germany
21 – 25 September 2014
E-mail: g.braeu@bv.tum.de
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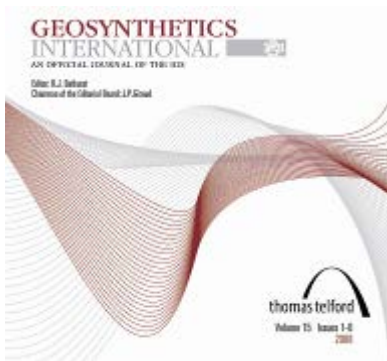
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- Laminar and non-laminar flow in geosynthetic and granular drains, pp. 160–182 (23), J.P. Giroud; J.P. Gourc; E. Kavazanjian; Jr.
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- Numerical investigation of transient hydration of unsaturated geosynthetic clay liners, pp. 232–251 (20), G. Siemens; W.A. Take; R.K. Rowe; R.W.I. Brachman
- Mechanical characteristics of soft clay treated with fibre and cement, pp. 252–262 (11), B. Fatahi; H. Khabbaz; B.

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