

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 Regional Conferences of the IGS



Jorge Zornberg

Dear IGS member,

the conferences of the IGS have played a remarkable role in the development of geosynthetic products and its applications. Much of the information on material properties, testing methods, applications and design approaches that we use in geosynthetics engineering has been vetted through these conferences. Of particular importance are the **international conferences** of the IGS, which are held every four years. This series of conferences has been a premier outlet of, and in many cases has indeed triggered, many of the advances in geosynthetics. The first International Conference on Geosynthetics was held in Paris (France), in 1977, and was followed by the 1982 ICG in Las Vegas (USA), the 1986 ICG in Vienna (Austria), the 1990 ICG in The Hague

(Netherlands), the 1994 ICG in Singapore, the 1998 ICG in Atlanta (USA), the 2002 ICG in Nice (France), the 2006 ICG in Yokohama (Japan), and the most recent 9th ICG held in Guarujá (Brazil) in 2010. The next conference, the 10th ICG, will be held in Berlin on September 21-25, 2014. We are looking forward to what will certainly become another landmark in the history of geosynthetic developments.

In addition to the series of ICG events, which are regularly held every four years, the chapters of the IGS regularly organize **national conferences on Geosynthetics**. They attract significant local participation and provide a remarkable forum for transference of knowledge on geosynthetics. Inspection of the IGS calendar of events indicates, for example, that in the next couple of months the Indian Chapter of the IGS will be holding Geosynthetics India '11 (Chennai, India, September 22-24), IGS-Brasil will be holding Geossintéticos 2011 (Belo Horizonte, Brazil, November 21-24), and Portugal will be holding the 4SPGEO (Aveiro, Portugal, November 22-23). These upcoming conferences are just a few examples of the excellent national events organized by the IGS Chapters.

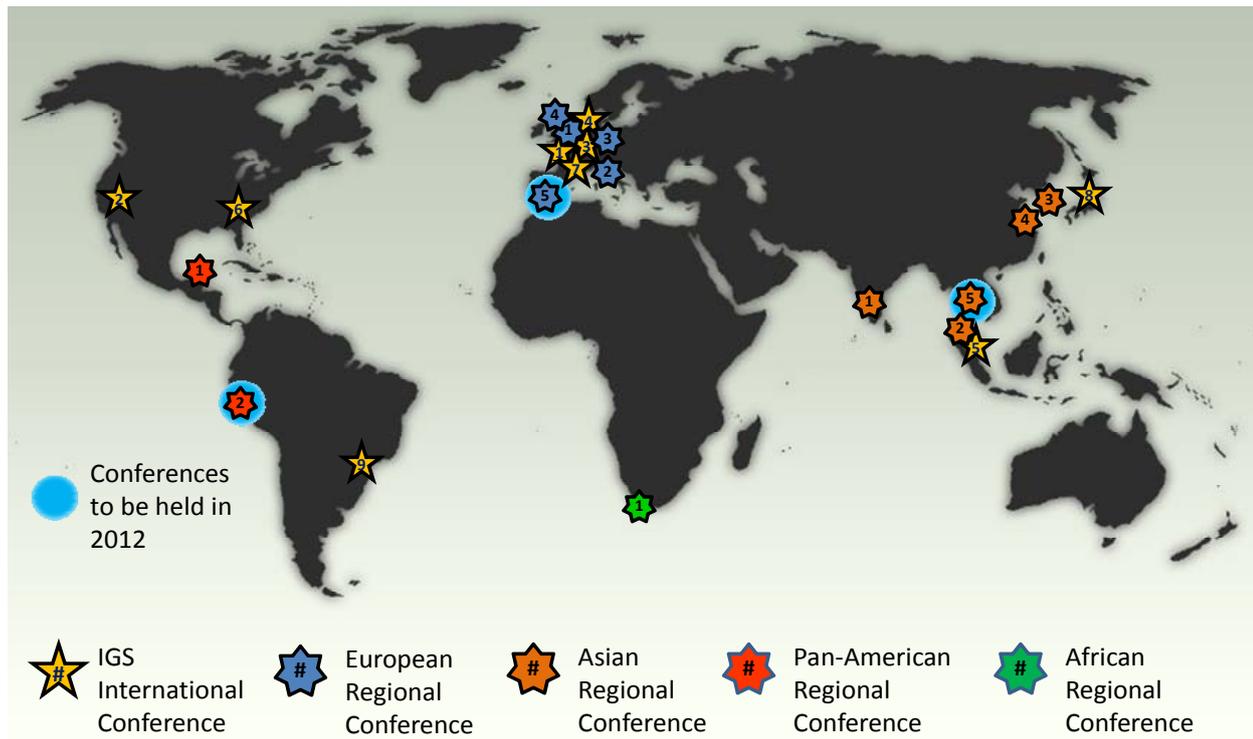


Figure 1: International and Regional Conferences of the IGS

(Note: the number in each symbol corresponds to the sequence in each series of conferences)

In addition to the series of International Conferences, and the multiple series of National Conferences organized under the umbrella of the IGS, **regional conferences** of the IGS have been organized in Europe, Asia, the Americas, and Africa. With three of these IGS regional conferences being held in 2012, they are the main focus of this article. As the international conferences, the series of IGS regional conferences are organized every four years, generally 2 years after the international conferences. Figure 1 shows the location of the international and regional conferences of the IGS. The European regional conferences on geosynthetics (“EuroGeo” Conferences) include the 1996 EuroGeo1 in Maastricht (Netherlands), the 2000 EuroGeo2 in Bologna (Italy), the 2004 EuroGeo3 in Mu-

nich (Germany) and the 2008 EuroGeo4 in Edinburgh (UK). The Asian regional conferences on Geosynthetics ("Geosynthetics Asia" Conferences) include the 1997 Conference in Bangalore (India), the 2000 Conference in Kuala Lumpur (Malaysia), the 2004 Conference in Seoul (South Korea), and the 2008 Conference in Shanghai (China). The Pan-American series of regional conference started in 2008 with the GeoAmericas 2008 conference in Cancún (Mexico). Finally, the African series of regional conferences started in 2009 with the GeoAfrica 2009 conference in Cape Town (Africa). The organizers of three of these regional conferences are actively working at this time, as new episodes of the GeoAmericas, EuroGeo and Geosynthetics Asia series will take place in Lima (Peru), Valencia (Spain), and Bangkok (Thailand) in 2012. Brief information on each conference is provided next. Additional information can be obtained in the information for each specific conference provided in this issue of IGSNews.



The Second Pan-American Geosynthetics Conference, **GeoAmericas 2012**, will be held on May 2-5, 2012 in Lima, Peru (www.geoamericas2012.com). This event follows the highly successful First Pan-American Conference (Cancun, 2008), which involved almost 1,000 attendees, 8 concurrent technical activities throughout the entire conference, and a unique educational program. Lima, also called also the City of the Kings because of its major role during the Incan empire, is the portal to reach the world-famous citadel of Machu Picchu among other archeological wonders. The significant economic growth of Peru has created a significant demand on geosynthetics, particularly in areas such as mining and transportation infrastructure. The organizing committee is planning a well-integrated technical program that will include innovative technical sessions, discussion panels, and educational components.



The Fifth European Geosynthetics Conference, **EuroGeo5**, will be held on September 16-19, 2012 in Valencia, Spain (www.eurogeo5.org). This event builds on the significant achievements of the previous EuroGeo Conferences. The Congress will be held at the Convention and Exhibition Centre in Valencia, a building with an emblematic and unique architectural design. Valencia, located on the Mediterranean coast, is Spain's third largest city and it provides a remarkable combination of traditional and modern architectural designs. EuroGeo5 will provide a forum to discuss the multiple uses of geosynthetics, with particular emphasis on experience gained from case histories and recent developments in geosynthetic products. The conference will also benefit from the synergism with the IV International Symposium on Water Reservoirs, which will be held concurrently with EuroGeo5. In parallel with technical presentations, educational training lectures will be offered by experts in the geosynthetics industry.



With a theme on "Geosynthetics for Sustainable Adaptation to Climate Change," The Fifth Asian Regional Conference on Geosynthetics, **Geosynthetics Asia 2012**, will be held on December 10-14, 2012 in Bangkok, Thailand (<http://www.set.ait.ac.th/acsig/GA2012/home.htm>). Bangkok is one of the most important economic centers in Southeast Asia, with the added benefit of being centrally located and easily accessible from all over Asia. This event aims at bringing together geosynthetics researchers, consultants, owners, manufactures, distributors, project regulators, contractors, and academics in order to discuss recent developments on geosynthetics. The technical program will include a blend of keynote lectures; theme lectures on key geosynthetic issues, special sessions, country reports focused on issues specific to developing countries, case histories and student presentations.

Continuing with the excellence in technical contributions that has characterized the previous IGS Regional Conferences, the 2012 upcoming regional conferences on geosynthetics will provide **technical offerings that are critical to the geosynthetics industry**. This includes the use of geosynthetics in mining applications to be emphasized in Lima's GeoAmericas 2012 Conference, innovations on the use of geosynthetics in water reservoirs to play central stage in Valencia's EuroGeo5, and the role on geosynthetics on rapidly evolving sustainability issues to be emphasized in Bangkok's Geosynthetics Asia 2012 Conference. All three regional conferences will provide unique opportunities to share experiences, knowledge, advances, and opportunities related to geosynthetics and affiliated technologies.

We look forward to **your participation** in the healthy technical programs offered by the IGS through its 2012 Regional Conferences on Geosynthetics.

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

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General Information for IGS Members

Announcement of IGS Students Awards: 2009 to 2012



**Nathalie
Touze-Foltz
(F)**

The success of the IGS Student Award program will continue, now with its sixth award period of 2009 to 2012.

The Awards will be assigned in the year 2012 and all successful candidates will be invited to attend one of the IGS regional conferences in 2012, i.e., GeoAmericas 2012, EuroGeo5 or Geosynthetics Asia2012.

The IGS student award was established to disseminate knowledge and to improve communication and understanding of geotextiles, geomembranes and associated technologies among young geotechnical and geoenvironmental student engineers around the world.

The IGS student award will consist of US\$1,000 to be used to cover travel expenses of each winner to attend a regional conference. The US\$1,000 will not be distributed without such attendance. If the Student receives funding and subsequently does not attend the conference the Student's IGS Chapter will be responsible for the refund of the award. This award amount will be assigned to only one student per IGS Chapter. The selected student should have been an undergraduate, M.Sc. or Ph.D. student during the period 2009 - 2012.

The IGS is interested in encouraging the involvement of the students during the selection process. To ensure student representatives from each chapter participate in the program to the fullest extent possible, the chapters must accomplish the following:

- Chapters should notify the IGS about their intention to organize a nomination process and select a student by September, 30, 2011
- Chapters must organize a contest or conduct a nomination process to select the student candidate to represent the chapter. The process should include submission by the student candidates of abstracts and preparation of a technical paper for one of the IGS regional conferences in 2012.
- While the IGS chapters are free to define the characteristics of the nomination/competition process, this process should be documented and provided to the IGS by November 30, 2011.
- Chapters must notify the IGS of the name of the student selected by January 31, 2012.
- The winner student should provide the IGS with a final version of his/her paper using the format of the corresponding IGS regional conference.

While this year's process requires careful documentation of the nomination process, the IGS Awards task force is available to help in the preparation of the process should your chapter require assistance.

The IGS will transfer US\$1,000 to the student upon receipt of chapter notification. IGS Student Award winners will participate in dedicated sessions at their regional conference, where they will present their paper.

IGS Student Awards recipients will be required to submit a written report to the IGS on the regional conference and on the IGS-related conference activities. This report should also be provided by the Student Awards winners to their own chapter.

In recognition of the IGS Student Award winners and to maximize benefits to the students, the organizers of the regional conferences are required to hold a dedicated session in which the student papers will be presented. They must also provide the students with a copy of the proceedings and admission to the sessions and the exhibition. In addition, a comprehensive student program will be organized in each regional conference to maximize their exposure to geosynthetics and the IGS. This includes a recognition ceremony during the conference as well as their participation in corporate receptions, social functions, and activities specific to each conference.

Please feel free to contact the IGS Secretary, Elizabeth Peggs (elizabeth@geosindex.com) with questions about the IGS Student Award Program.

*Reported by
Nathalie Touze-Foltz, Chair of the Awards Task Force*

Michael Heibaum – 2012 / 2013 Mercer Lecturer

The Mercer Lecture is a biennial lecture sponsored by Tensar International, with the endorsement of the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE) and the International Geosynthetics Society (IGS).

The series was established in 1992 to provide individuals who have made significant technical contributions to the advancement of geosynthetics the opportunity to present their work at international conferences around the world. They are held in honor of the late Dr Brian Mercer, the inventor of geogrids and a strong advocate for innovation, research and development.

The key objective of the lecture is to help promote the co-operation of information exchange between the geotechnical engineering profession and the geosynthetics industry by giving an eminent practitioner the opportunity to undertake a lecture tour on the subject of Geosynthetics in Geotechnical Engineering.

A webpage has been established (www.mercerlecture.com) to promote the Mercer Lecture Series. The webpage shows the upcoming events as well as is giving proceedings of the past lectures for free download.

The recent Mercer Lecturer **Dr. Michael Heibaum** will be delivering his lecture on:



Geosynthetics for Waterways and Flood Protection Structures – Controlling the Interaction of Water and Soil

You will be able to access the full abstract [here](#) and attend his lecture at the following locations:

12th Baltic Sea Geotechnical Conference, Rostock, 31st May – 2nd June, 2012, www.12bscg.de

ANZ 2012 – Ground Engineering in a Changing World, Melbourne, 15th – 18th July, 2012, www.anz2012.com.au

IGS Success Story 3: The GIGSA Newsletter

The GIGSA Newsletter has been published since the organisation's founding in 1994, and only ever in electronic form. The intent has always been to issue this newsletter on a quarterly basis, and by and large this objective has been met, with gaps in its appearance every now and then caused by the occasional changeover in editors, and time constraints. The newsletter is a labour of love and editors have never been paid for their services. Recent issues may be found on GIGSA's website at www.gigsa.org.

Originally, the newsletter was sent only to GIGSA members, but over a period of time this has been extended to those persons in South Africa who have shown an interest in geosynthetic applications, and the distribution of the newsletter now extends to around 1 500 persons on a local and global basis. As the file size of the pdf version of the newsletter has grown to over 1 MB, it has been decided that it will now only be publicised by a short individually-addressed e-mail containing an index and a hyperlink to the newsletter proper for those who want to download it at leisure rather than having it pushed – perhaps over a slow dial-up connection.

The GIGSA newsletter is intended to showcase local geosynthetic projects, as well as give exposure to new products and companies active in the field in South Africa. One of the facets of the newsletter which has contributed to its success is the use of quirky pictures and pithy quotes sprinkled throughout each edition. An example of this can be seen below:



Airlines we would rather not fly with....

*Reported by
Peter Davies, IGS member and GIGSA Committee, Newsletter Editor*

Conference Reports

GeoFrontiers 2011: A Geo Success! Dallas, Texas, USA, 13 - 16 March 2011



If you were there, you know it was a geo-success! Kudos to organizers Industrial Fabrics Association International (IFAI), Geosynthetics Materials Association (GMA), The Geo-Institute (GI) of the American Society of Civil Engineers (ASCE) and the North American Geosynthetics Society (NAGS).

They put together a fabulous conference which was enjoyed by 1971 attendees and 140+ exhibitors. Through the course of the three days, over 497 papers were delivered, four educational short courses were provided, the Mercer, Peck, Seed, & Terzaghi Lectures were presented, a career fair was held, numerous organizational, corporate, industry and personal meetings were hosted and several programs/receptions/gatherings/competitions were shoe-horned into slack times. If all of that wasn't enough to absorb, the Geosynthetic Research Institute (GRI) held GRI24, "Optimizing Sustainability Using Geosynthetics", which added another 20 papers and another track of activities to the week.

The technical paper sessions were moderated by industry icons and covered subjects including various interesting aspect of Expansive Soil, Energy Foundations, Earth Structures, Barriers Materials/Protection Liners, Pavements, Railroads, Embankments, Geo-Education, Soil Modeling, Geotextile Tubes, Landslides, Deep Foundations, Site Characterization, Waste, Seismic Hazard Mitigation, Tunneling and nearly anything imaginable having to do with geosynthetics and soil. To complement the papers, a poster session was also organized which hosted a slew of excellent offerings on all areas of the geo world. If you were there, you found a track to attend or a poster display that was loaded with lots of good information to apply directly to your area of interest!

A highlight for many attending the conference was the student involvement and especially the talent exhibited by tomorrow's engineers. The winner of the NAGS sponsored student paper competition was Ms. Azadeh Hoor from Queen's University for her paper, "Application of Thermal Insulation in Landfill Liners" with 1st runner up being Mr. Ben Leshchinsky of Columbia University for his paper titled "Enhancing Ballast Performance Using Geocell Confinement. The winners of the GI sponsored "Geo Challenge" -- aka see-how-little-reinforcement-can-be-use-to-build-a-MSE-wall-with-beach-sand-and-craft-paper-and-then-load-it-to-failure competition were Rensselaer Poly Tech followed in second place by Cal Poly --San Luis Obispo and University of Arkansas in third place. Rensselaer Poly Tech used only 7 grams of craft paper reinforcing to build their structure which successfully sustained the incredible target 50 lbs vertical surcharge along with a 25 lb cantilever load. It was uplifting and inspiring to witness the enthusiasm of the youth participating in the activities in Houston!!

On a more serious note, Professor Norbert Morgenstern tee'd up the technical week with the H. Bolton Seed Lecture which was a practical based lecture related to the engineers involvement in the Oil Sands of Alberta Canada entitled "Risk and Reward: Geotechnical Engineering and the Alberta Oil Sands". For those involved in subgrade structures, tunneling and seismic aspects of geotechnical engineering, Antonio Bobet delivered his "slant" on the Monday morning Peck Lecture entitled "Seismic Design of Underground Structures: Lessons from the Failure of the Daikai Station". On Tuesday afternoon Dr. Kennety Stokoe provided insight on the subject of "Seismic Measurements and Geotechnical Engineering" as he delivered the Terzaghi Lecture. Lastly, on Wednesday am, just a few days after the Japan Earthquake and Tsunami, Dr. Junichi Koseki arrived from Japan to offer his ideas on "Use of Geosynthetics to Improve Seismic Performance of Earth Structures" as the subject matter for the Mercer Lecture.

Not to be forgotten are the various sponsors of the conference. The sponsorships of the manufacturers enabled food and drinks to be provided at reduced or no cost to the attendees which helped to reduce the out-of-pocket costs while away from home. Food and drink at breaks, lunches in the exhibit hall, lunch at the Hero and Awards Luncheon, and hors d'oeuvres food and drink at the Welcome Reception was all top notch.

Several industry organizations held their annual or biennial meetings while in Houston. NAGS annual meeting included announcement of their new Board of Directors which includes Dean Sandri (President), Bob Mackey (President Elect), Dr. Dave Elton (immediate past president), Jay McKelvey (Vice President), Corey Bobba (Treasurer), Dr. Marolo Alfaro (Vice President), Dr. Richard Brackman, (Vice President), Dhani Najero (Vice President).

As with many conferences, numerous side meetings, gatherings, parties, reunions, business and personal get-togethers and deals were planned, developed and just plain happened! For me, the week provided an opportunity to add to my technical knowledge base, see what products were being introduced and developed, catch up on where the geo-technology is heading, re-establish friendships that have been lost, visit with business colleagues to discuss the activities of the day, week and year, jest with friendly competitors, strengthen relationships with many of the industry professionals that I only see at conferences and meetings, and build/solidify the relationships with many of those that I haven't seen for years or those that I just met during the week. Lastly and not to be forgotten, the conference provided a venue to fondly remember those that have not been so fortunate to have attended Geofrontiers 2011 or that have passed away after dedicating a career to geosynthetics and were truly innovators of the geo frontier and have provided us all the opportunity to exist in this exciting and dynamic profession.

*Reported by
Dean Sandri, President of North American Geosynthetics Society*

Note:

The proceedings of GEO-FRONTIERS 2011 are available as CD-rom at \$100/copy at NAGS. Please contact L. David Suits, Executive Director, North American Geosynthetics Society (Nagsdirector@aol.com)

2011 Ecological Technology on Geosynthetic Applications

27 May (Chiayi) & 24 June (Kaohsiung) 2011, Taiwan



West Pacific Chapter
Chinese Geosynthetic
Association

As global warming alters climate patterns, the weather has becoming "bipolar". People in Taiwan can expect more rain in the rainy season and less during the dry season. In August 2009, Typhoon MORAKOT brought record-setting rainfall to central and southern

Taiwan Island for a half year in a mere three days. In the meantime, the staggering amount of rainfall incurred a massive landslide, mudflow and flood and wreaked havoc. Many residents suffered great losses in the aftermath, especially in the mountain areas.

Prior to entering the typhoon season of Taiwan Area in comparison with the traditional and geosynthetic approaches, the West Pacific Chapter (WPC) of IGS, under auspices of the Chinese Geosynthetic Association (CGA), convened "2011 Ecological Technology on Geosynthetic Applications" on 27 May and 24 June 2011 in Chiayi and Kaohsiung, the major central and southern cities of Taiwan Island, for popularization of eco-friendly technology via geosynthetics. More than 200 attendees gathered from across local government officials, engineering consultants and college students to participate in this event.

Throughout the sessions and networking events, the highlights sparked great interest among attendees and include:

- The Life Cycle of Design Principle for Infrastructure Project – Geosynthetic Applications
- The Application of Hazard Mitigation and Carbon Footprint Reduction via Ecological Technology
- The Active Concept and Action for Flood Control in Taiwan
- Geosynthetics Engineering for Slope Protection and Reservoir's Sediments
- The Strategy for Compound Disaster led by Severe Weather
- Stabilization of Landslides and Riverbank / Coastal Erosions on Geosynthetic Applications



Live Session in National Chiayi University



Panel Discussion



Live Session in Cheng-Shiu University

Various local case studies and eye-catching structures including slope protection, retaining wall, drainage and hydraulic applications of recovery works were presented. The speaker in each session captivated the audiences which lead to many questions and backstage discussions. Meanwhile, the conference helped attendees achieve a better understanding of current geosynthetic applications in Taiwan's infrastructure with readiness upon "green concept". The event not only allowed WPC of CGA to gain exposure within the community, but also provided attendees with an opportunity to express their interest in learning more about sustainable infrastructure.

During the coffee break, the exhibit hall was packed for networking. Following the completion at the featured lecture, the Q&A session offered some insightful answers to questions and sparked many valuable opinions and suggestions which were very helpful in further applying and promoting the geosynthetic applications.



Q&A Session (from left to right):

Dr. Ching-Trang Chiang and Dr. Kun-Hung Hsieh, Professors of Cheng-Shiu University; Prof. Hsin-Yu Shan of National Chiao-Tung University; Prof. Dave, T. T. Chang of Chung-Yuan University; Dr. Nan-Shan Chou, Director of CGA and Mr. James Cheng, Director of CGA

questionnaire surveys. Over 99% attendees said that the conference met or exceeded their expectations. The success of the conference can be attributed to the support by Chinese Soil and Water Conservation Society, National Chiayi University, Cheng-Shiu University and Gold-Joint Industry Co., Ltd. for this event. WPC of CGA would like to thank the all participants who attended the conferences.



Time of coffee break

Feedbacks from attendees were very positive per



Organization and Co- Organizations (from left to right):

Dr. Kun-Kuo Tien & Dr. Chien-Chih Wang, Professors of Cheng-Shiu University; Mr. Hung-Chia Hou, Chief Secretary of CGA; Prof. Dave, T. T. Chang of Chung-Yuan University; Dr. Pu-Ping Yu, Vice-President of Cheng-Shiu University; Dr. Nan-Shan Chou, Director of CGA; Prof. Hsin-Yu Shan of National Chiao-Tung University; Mr. James Cheng, Director of CGA and Prof. Kun-Hung Hsieh of Cheng-Shiu University

*Reported by
Daniel Hung-Chia, Hou, IGS News Correspondent from West Pacific Chapter*

1st Argentinean Seminar of Application of Geosynthetics 13 – 14 June 2011, Buenos Aires, Argentina



With perfect attendance, the last 13 and 14 June was held in Argentina the First Argentinean Seminar on Application of Geosynthetics organized by the Argentinean IGS Chapter.

The seminar took place in the “Centro Cultural Borges” of Buenos Aires city, and was attended by prominent professionals, institutions and companies related to the application of this type of materials in environmental and infrastructure work.

The Seminar was organized by Prof. Sergio Reyes, President of International Geosynthetics Society – Argentinean Chapter (IGS-Argentina – Reyes y Asociados SRL), Prof. Gerardo Botasso (Universidad Tecnológica Nacional Facultad Regional de La Plata - Lemac), Emilio Redolfi (Universidad Nacional de Cordoba) and Alberto Dal Farra (Coripa S.A.)

The Seminar covered mainly two topics that include 1st day Geosynthetics in infrastructure (soil reinforcement embankments in soft soils, drainage, geosynthetics in pavements and cases history) and 2nd day impermeabilisation systems (type of liners, geosynthetics in mine sites, impermeabilisation system design, drainage systems and reinforcement barriers, and other topics on Geosynthetics applications).

The main objectives were to transmit from major conferences, recommendations and solutions achieved at the national, regional and international levels, which were developed from the use of geosynthetics in the implementation of various types of projects.

The symposium was attended by a very good number of participants more to 150 guests, speakers, session chairs, sponsors and exhibitors from several cities of Argentina including Buenos Aires, La Plata, Bahía Blanca, Mendoza and so on.



Reception of inscriptions

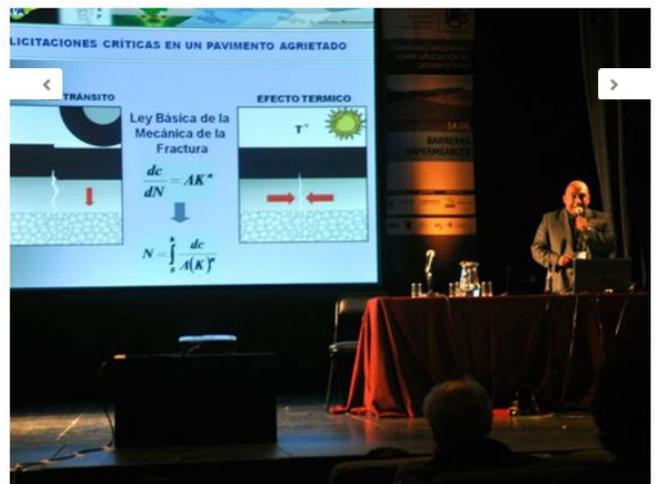


Beginning of the seminar

The Special Speakers included Dr. Jorge Zornberg (PE, Ph.D. TEXAS USA Profesor en la Universidad de Austin, Texas – Actual President of International Geosynthetics Society); Dr. Ennio Marques Palmeira, (MSc., PhD. Universidad Federal de Río de Janeiro Profesor, Brasil); MSc. Luiz Guilherme F.S. de Mello, (Escuela Politécnica de la Universidad de San Pablo, Brasil); Dr. Ing. Guillermo Montestruque (UNPRG-Perú); MSc. Sergio Aníbal Reyes (Universidad Nacional del Sur Profesor, Argentina, Master Of Engineering Science (MESC.), the University of Western Ontario, London, Canadá); Ing. Gerardo Botasso (Director del LEMaC - Centro de Investigaciones Viales de la Universidad Tecnológica Nacional Facultad Regional La Plata).

After the seminar a meeting of the board of the Argentinian chapter was performed. In the meeting the seminar results were evaluated, and the future of the chapter planned, focused on the following aspect:

- 1 - Conform the 1st committee “educational comité”.
- 2 - Start the program “Educando educadores” to provide tools at the professors of the different universities to teach geosynthetics.
- 3 - Put in movement the system to promote the Student award to Geoamericas 2012.



Dr. Montestruque presentation



Dr. Zornberg during his presentation



Reported by
 Eng. Darqui Marcos (IGS ARG
 secretary) and Eng. Moratto Rocío
 (IGS News Correspondent)

Seminar closure: (from left to right) Prof. Gerardo Botasso, Dr. Guillermo Montestrucque, Dr. Prof. Enio Palmeira, Dr. Prof. Jorge Zornberg, Msc.Sergio Reyes, Mr. Alberto Dal Farra, Dr. Mello and Eng Marcos Darqui.

XXIV Geotechnical Italian National Conference 22 - 24 June 2011, Napoli, Italy

The XXIV *Geotechnical Italian National Conference* was held on 22 - 24th June 2011 in Napoli. The Conference topic was *Technological Innovation in Geotechnical Engineering*. The Conference was jointly organized by the Italian Geotechnical Association (AGI) with the participation of ACEN (Contractors Association - Napoli), under the auspices of the Napoli Federico II University, Napoli "Parthenope" University, Second University in Napoli, Salerno University and Sannio University.



Geotechnical interventions around the Maschio Angioino castle in Napoli (cover of the proceedings)

More than 100 papers were presented to the Conference, and all papers are included in two volumes of proceedings for a total of about 1300 pages.

The conference was divided in three different main sessions (geotechnical structural techniques, soil improvement and reinforced soil techniques, environmental protection measures) with a lot of presentations devoted to geosynthetics engineering items.

The first main session was chaired by Carlo Viggiani (Napoli Federico II University) and focused on *Geotechnical structural techniques*. One keynote lecture and three panel lectures were presented.

The keynote, jointly presented by Alessandro Mandolini (Second University in Napoli) and Vittorio Manassero, was addressed to the interplay between advanced technology and design in geotechnical structures.

The three panel lectures presented covered the topics of the mitigation of excavation induced displacement through the insertion of structural elements in the soil, the modelling and design of falling rock protection barriers and the innovation technologies in tunnel excavation.

The second main session was chaired by Giovanni Calabresi (Roma University "La Sapienza") and focused on the *soil improvement and reinforced soil techniques*. In this case two keynote lectures and three panel lectures were presented.

The first keynote, presented by Alessandro Flora (Napoli Federico II University), was addressed to technologies and design choices in soil improvement. The second keynote, presented by Nicola Moraci (Mediterranea University in Reggio Calabria) was addressed to recent developments on geosynthetics reinforced soils (technologies, design and standards).

The three panel lectures presented, showed some advanced researches on analysis and design of foundations

reinforced with the jet grouting columns, interaction among soil, nails and facing in soil-nailed wall and a conceptual model for the design of geo-encased granular columns as foundations of artificial embankments.

The last main session was chaired by Michele Jamiolkowski (Politecnico Torino) and focused on *the environmental protection measures*. One keynote lecture and three panel lectures were presented.

The keynote, presented by Erio Pasqualini (Università Politecnica Marche), was addressed to the issues and technologies in waste landfills and contaminated sites.

The three panel lectures presented covered the topics of the geological and geotechnical conceptual site model of contaminated sites, theoretical modelling and technological innovation in geosynthetic clay liners for pollutant control and innovation technologies to the in-situ decontamination.

During the conference, three invited lectures were presented by Ruggiero Jappelli (Roma University "Tor Vergata"), Richard Chandler (Imperial College, London) and Daniele Cazzuffi (CESI SpA – Milano).

At the end of the second session, a fruitful and interesting Round Table on the *Technological Innovation in Geotechnical Engineering* took place: in that Round Table, Francesco Fontana as Assingeo President described the present situation in Europe concerning the harmonised standards on geosynthetics.

The next Geotechnical Italian National Conference will be held in June 2014 and will be dedicated to the geotechnical engineering for the mitigation of natural hazards.

Reported by

Daniele Cazzuffi, AGI-IGS President & Nicola Moraci, AGI-IGS Secretary

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

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

GEOAMERICAS 2012

II Pan-American Congress on Geosynthetics

Lima, Perú, 2 – 5 May 2012



The II Pan-American congress will take place from May 2012, and will bring together researchers, consultants, environmental engineers, contractors, geosynthetic courses and exhibitors. It will be held at the modern Westin Hotel in Lima, Peru. Lima is the capital city of Peru, which is the fifth-most populous and the third-largest country in South America. Geoamericas 2012 will be organized by the IGS Perú under the auspices of the IGS.

Technical Program

The congress will highlight the main topics in the geosynthetics industry and application. Keynote lectures and selected papers will be presented on the main themes:

- Geosynthetics in Environmental Applications
- Geosynthetics in Dynamic Applications
- Geosynthetics in Hydraulic Applications
- Geosynthetics in Mining Applications
- Geosynthetics in Highways Applications
- Geosynthetics in Sanitary Applications
- Case Histories
- New Geosynthetics Products

Exhibition

During the Geoamericas 2012 an exhibition will be available to all interested companies and organizations that are willing to present latest technologies, innovations and services to delegates and visitors. The conference venue offers exhibition facilities with 1340 m². of available space for consultants, contractors, suppliers, installers, agencies, project offices, and all organizations interested in the geosynthetic community.

Important Dates

Deadline for Abstract Submission: 30 July 2011

Language

English and Spanish will be the official languages of the congress. The abstracts can be submitted on both.

For more information

More information will be available in the congress web site may be found in www.geoamericas2012.com

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.

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 communi-

cations will be presented in English and/or Spanish.

Call for Abstracts

Authors interested in presenting a paper at the Conference must provide an abstract before 30 September 2011, addressed to the Conference Secretariat, through the Conference website. Abstracts received by fax or mail will not be considered. The abstracts must be written in English or Spanish.

Important Dates

- Deadline for submission of abstracts: 30 September 2011
- Deadline for submission of final papers: 31 March 2012

Further instructions to submit abstracts are available in the Conference website www.eurogeo5.org

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

Geosynthetics Asia 2012 5th Asian Regional Conference on Geosynthetics Bangkok, Thailand, 10 - 14 December 2012



The Fifth Asian Regional Conference on Geosynthetics (GA2012) will be held in Bangkok, Thailand from 10 to 14 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: Reinforced Earth 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

- Deadline for Abstract Submission: 31 January 2012
- Notification of Abstract Acceptance: 29 February 2012
- Deadline of Paper Submission: 30 April 2012
- Notification of Paper Acceptance: 30 June 2012
- Deadline for Author Registration: 30 June 2012
- Deadline for Early Bird Registration: 30 April 2012

For more information

For further information, please contact: GA2012 Secretariat
Email: igs-thailand@ait.ac.th or bergado@ait.ac.th
Phone: +66-2 524 5500/5523
Fax: +66-2 524 6050
Website: www.set.ait.ac.th/acsig/GA2012/

Announcements of Conferences under the Auspices of IGS

International Conference on Ground Improvement and Ground Control Transport Infrastructure Development and Natural Hazards Mitigation 30 October – 2 November 2012, Wollongong, Australia

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.

Important Dates

Abstract Submission: 1 July 2011.

You may submit the abstracts online or e-mail to Conference Secretariat:

Email: icgi_2012@uow.edu.au

Please visit the following conference website for more details:

<http://www.icgiwollongong.com>

For further information

Please contact the ICGI Conference Secretariat:

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

Ph: 02 4221 4089

Fax: 02 4221 3238

Email: icgi_2012@uow.edu.au

News from the IGS Chapters and the Membership

Election of the new officers of NAGS

The North American Geosynthetics Society, a chapter of the IGS, has a new board with the following officers:

| | |
|---|--|
| President | Dean Sandri |
| President-elect | Robert Mackey |
| Treasurer | Corey Bobba |
| Past-President | Dr. David Elton |
| Vice-Presidents | Marolo Alfaro (Canada) Richard Brachman (Canada) John Henderson (US) Jay McKelvey (US) Dhani Narejo (US) |
| Executive Director and Managing Director | Mr. L. David Suits PO Box 12063 Albany, NY 12212-2063 |
| Tel/Fax | ++1 518-869-2917 |
| Fax | 39 06 44361035 |
| E-mail | nagsdirector@aol.com |
| Web site | www.nags-igs.org |

Italian Chapter AGI-IGS : New Officers Board elected

In spring 2011 elections took place in Italy in order to nominate the new Officers Board of the Italian Chapter AGI-IGS.

The new elected Board is as following

| | |
|-----------------|--|
| President | Daniele Cazzuffi |
| Vice Presidents | Claudio di Prisco Pierpaolo Fantini Piergiorgio Recalcati (Secretary) |
| Board members | Paolo Carrubba Guido Gottardi Simone Lo Grasso |
| Treasurer | Claudio Soccodato |
| Secretariat | Susanna Antonielli c/o Associazione Geotecnica Italiana Viale dell'Università, 11 00185 Roma ITALY |
| Tel | 39 06 4465569 - 39 06 44704349 |
| Fax | 39 06 44361035 |
| E-mail | agiroma@iol.it |
| Web site | www.associazionegeotecnica.it |

After two consecutive terms the following individuals left the Board: Michele Maugeri, Nicola Moraci and Moreno Scotto, together with Mario Manassero.

A particular word of thanks was addressed to those experts, who greatly contributed to the success of the Chapter's activities.

Reported by

Daniele Cazzuffi, IGS Past President, AGI-IGS President

Paolo Scolari UNI Award 2011 to Daniele Cazzuffi

Daniele Cazzuffi, IGS Past President, received the Paolo Scolari UNI Award 2011 at UNI in Milano: UNI is the Italian Standards Body and represents Italy both in CEN and ISO activities.

On its fifth edition this year, UNI Award is an opportunity for public and formal recognition to those who have distinguished themselves by their competence and commitment to standardisation in line with UNI recognised values.

The Award Jury has identified the winner among the nominations that the Promoting Committee has selected, and UNI Executive Board has formally ratified the name.

The evaluation criteria are based on the candidates' standardisation activities, constant and effective participation to technical bodies, and involvement in communication.

In particular, Daniele Cazzuffi received the 2011 Award for his leadership in the development of geosynthetic standards in UNI, CEN and ISO since more than twenty years.

During the UNI Members' General Assembly on 28 April in Milano, official recognition was given to Daniele Cazzuffi from Pietro Torretta, UNI President.

The general purpose of the Paolo Scolari UNI Award series is to recognize key persons able concretely to develop and consolidate the UNI Body in terms of standardisation activities, support to the economic and social growth of the Italy System, and its knowledge and recognition by society.

The people usually awarded with the Paolo Scolari Prize are in some way the representation of a unified, coherent vision of the big issues faced by technical standardisation and which involve both tradition and innovation: on one hand, it is the recognition of the continuing and by now widely consolidated technical and regulatory experience and on the other, the emerging of new needs and new activities. Geosynthetic standards development is a perfect example of such approach.

Reported by

Nicola Moraci, IGS News correspondent from Italy



UNI President is giving Paolo Scolari Award 2011 to Daniele Cazzuffi

IGS-Pakistan at IAPEX 2011



Booth of IGS Pakistan at IAPEX 2011

and attracted a large crowd of national and international architects, interior designers, landscape designers, engineers, builders, contractors and material specialists. IAPEX 2011 was a 3 day event and was held from 10th to 12th of May at the Expo Centre, Karachi, Pakistan.

Pakistan Chapter of International Geosynthetic Society exhibited its newly formed Chapter in this event to create

The Institute of Architects Pakistan organizes a building and materials exhibition - IAPEX - on an annual basis. IAPEX 2011 was the sixth in series of these exhibitions



Left to right: Syeda Faiza Jamil, IGS News Correspondent for IGS Pakistan and Research Assistant, Textile Research and Innovation Centre, Textile Institute of Pakistan, Abbas Reza Jaffery, Design Manager (Infrastructure Planning & Development), Habib University Foundation, Azher Abbas, General manager (Infrastructure Planning & Development), Habib University Foundation

awareness about geosynthetics and to attract membership for the chapter. The event turned out to be a great success with around hundred people visiting the IGS booth. The visitors showed keen interest and most were amazed by the wide variety of areas where geosynthetics could be used for performance improvement and cost effective solutions.

It was the first event from the platform of IGS-Pakistan to create awareness regarding geosynthetics and given the enthusiasm of the stakeholders, the Chapter plans to hold many more in future.

Reported by

Syeda Faiza Jamil, IGS News Correspondent for IGS Pakistan

8th Road Day on Geosynthetics on Highway R1 29 June 2011, Bratislava, Slovakia

The Slovak Road Administration with Slovak Road Association organized the 8th Road Day on "Geosynthetics on Highway R1". The Slovakian Chapter of IGS (IGS SK) took professional guarantee of this event and it was the first event under the auspices of IGS SK. The dual-carriageway section Nitra west - Tekovske Nemce and Northern bypass of Banska Bystrica is the first road infrastructure public-private partnership (PPP) project in Slovakia. Construction work started in September 2009 and the individual sections should gradually be put into operation from 2011.

The seminar was aimed at different structures realised with geosynthetics. The invited speakers were:

- - Radovan Baslik - Introduction of IGS Slovakia
- - Branislav Prelovsky - Geosynthetics used in retaining structures and cuts in the Northern bypass of Banska Bystrica
- - Frantisek Malik - High embankment foundation on soft ground using geosynthetics on selected sections of R1
- - Jan Hasenovic - Various applications of geosynthetics in the construction of the highway R1
- - Radovan Baslik - Retaining system GEOMUR-TW1 used on the R1

The seminar was successful and many participants discussed not only the applications of geosynthetics on the R1, but also other possibilities of geosynthetic products.

Reported by

Radovan Baslik, President of IGS Slovakia



Mr. Baslik introduces the IGS Slovakia

Geosynthetics Interest Group of South Africa

The South African Chapter of the IGS



Over 18 to 20 July 2011 the 15th African Regional Conference of the ISSMGE takes place in Maputo, Mozambique. GIGSA will be presenting a programme of lectures on geosynthetics by various committee members, and in addition to presenting a plenary session on geosynthetics entitled "Advances in the Use of Geosynthetics for Waste Containment", IGS President Jorge Zornberg will be presenting a half-day course on geosynthetics, to be delivered in Portuguese, at which over 150 delegates have registered.

See <http://www.15arcsmgge-maputo2011.com>

Over 5 - 16 September 2011, GIGSA will be hosting Prof Kerry Rowe, as he delivers a series of short courses on Geosynthetics in bottom liners and covers, for use in lagoons, secondary containment, landfill and mining applications. These will be presented in South Africa, Namibia and Botswana, and sponsored by Messrs Jones & Wagener Consulting Engineers, Kaytech Engineered Fabrics, and Aquatan Lining Systems. This GIGSA initiative is being held to bring the benefits of geosynthetic use to a wider audience than in the past, and forms part of GIGSA's aim of becoming a regional rather than a single country entity.

For more information, contact Peter Davies on peter@kaytech.co.za

Over 18 - 20 October 2011 the Landfill Interest Group (LIG) of the Institute of Waste Management of Southern Africa will be holding its biennial landfill seminar in Durban, South Africa, entitled "Landfill 2011: Waste Management

Facilities: The New Order". At this seminar GIGSA is sponsoring a ½ day course on "Designing for Landfill Stability" to be presented by Rick Thiel of Thiel Engineering in California. See <http://www.iwmsa.co.za/> "Landfill 2011". For more information, contact Peter Davies on peter@kaytech.co.za

Reported by

Peter Davies IGS News Correspondent for GIGSA

Election of the new officers of IGS Brasil

In the last 21st of June, the new officers of the Geosynthetics Brazilian Association – IGS Brasil were elected for the period June 2011 to May 2013.

The new board comprises representatives from the industry and from the university, and has as the main objectives to improve the frequency of activities, courses, publication production and technical events in order to foment the development of the geosynthetics sector in Brazil.

The General Assembly occurred in São Paulo, attached to the 1st Annual Meeting IGS Brasil, when Prof. Ennio Palmeira delivered a lecture titled "Reinforced Embankments on Soils with Low Bearing Capacity". In this lecture, Prof. Palmeira presented results from recent researches and from monitoring systems of constructed structures, all of them related to low bearing supporting terrains.

The new officers of IGS Brasil are:

- Chair: Eng. Lavoisier Machado
- Vice-Chair: Prof. Delma de Mattos Vidal
- Vice-Chair: Eng. Indiara Giugni
- Secretary: Eng. Victor Eduardo Pimentel
- Treasurer: Eng. André Estêvão Ferreira da Silva

For more information, please access: www.igsbrasil.org.br.

Reported by

André Estêvão Silva, IGS News Correspondent for IGS Brasil

GEOSYNTHETICS INDIA '11 and An Introductory Course on Geosynthetics 22 - 24 September 2011, Chennai (Tamil Nadu), India



To be abreast with the latest development in the field of Geosynthetics, a Seminar "**Geo-synthetics India'11**", preceded by **An Introductory Course on Geosynthetics**, is being organised by the Indian Chapter of International Geosynthetics Society and the Central Board of Irrigation & Power (CBIP).

The International Geosynthetics Society (India), registered under Societies Registration Act 1860, in June 1992, acts as Indian Chapter of International Geosynthetics Society (IGS), which was founded in Paris, on 10 November 1983.

Since its inception in 1927, the Central Board of Irrigation & Power (CBIP), which is the Secretariat of the Indian Chapter of International Geosynthetics Society, is engaged in the dissemination of information regarding recent technological advancements in the twin disciplines of water resources and power. Besides, it provides a forum for exchange of experiences, facilitating flow of technology through the organisation of symposia, seminars, workshops, training courses both at national as well international levels, in liaison with international organisations.

Topics

The following will be the topics for discussion during the seminar:

- Geosynthetics Materials
- Testing & Evaluation, Specifications and Standardization
- Reinforced Soil Structures
- Soil Slopes Stabilisation and Landslide Mitigation
- Filtration and Drainage
- Roads and Railways
- Hydraulic Structures
- Hazardous Waste Management - Landfills and Ash Ponds
- Erosion Control
- Ground Improvement

- Natural Fibre Geotextiles
- Hill Area Development

Language

English will be the official language of the seminar.1

Dates and Venue

The event will be held at IIT Madras during 22 - 24 September 2011.

Exhibition

The Seminar will provide a very good forum for display of equipment/activities by the agencies involved in equipment manufacturing, construction, etc. Further details will be supplied to the interested organisations on request.

Proceedings

All case studies to be presented in the Seminar, besides the invited lectures, will be published as Seminar proceedings and will be made available to the registered delegates at the time of registration.

Further Information

Dr. K. Rajagopal, President of Indian Chapter of IGS and Professor at Department of Civil Engineering, Indian Institute of Technology Madras, Chennai

E-mail: gopalkr@iitm.ac.in

Central Board of Irrigation & Power, Malcha Marg, Chanakyapuri, New Delhi, India

Mr. V.K. Kanjlia, Secretary

Phone : +91-11- 2611 5984/2611 1294, Fax : +91-11- 2611 6347

E-mail : uday@cbip.org ; cbip@cbip.org

<http://www.cbip.org>

5th Remediation Technologies Expo, RemTech 2011 28 - 30 September 2011, Ferrara, Italy



RemTech 2011, the most specialized event in Italy dedicated to remediation and requalification actions, will be at Ferrara Exhibition and Conferences Centre from the 28th to the 30th September 2011. It will take place under the auspices of different national and international societies, including AGI-IGS, the Italian Chapter of IGS. The target is to involve significantly Institutions, Industry, Real Estate Sector, Research, Operators, Associations (www.remtechexpo.com). There will be an outstanding exhibition area and very high level conferences, organized with the collaboration of the Scientific and Advisory Committees, together with operators, main experts and buyers focusing on the following topics:

- Industry focus and road show
- Oil sector focus
- Public administration forum an re-qualification
- Innovative technologies
- Coast expo – special section

Other extremely interesting focus will be: workshop regarding legal, insurance, regulatory and economical questions (FAQ); possibility for recruiting qualified collaborators; pilot test area; advanced training course on Characterization of Contaminated Sites.

During RemTech 2011, the ceremony of the third edition of the RemTech Degree Awards will take place. The awards will be assigned to the six best thesis discussed in Italian Universities and related to reclamation technologies items: in particular, two awards will be related to PhD thesis, while four awards will be referred to master thesis.

For more information

For more information also on the booths availability, please contact: info@remtechexpo.com

Sardinia 2011

Thirteenth International Waste Management and Landfill Symposium

3 - 7 October 2011, S. Margherita di Pula, Cagliari, Italy

Waste management strategies and technologies are currently undergoing rapid development. The Sardinia Symposia were established in order to make knowledge and experiences in this field readily available. The Symposia have become the Reference Forum, where leading experts meet and present their research activities and experiences and discuss new concepts and technologies. The Symposia have witnessed and contributed worldwide to the development of modern waste management strategies such as the integrated waste management hierarchy, recovery of energy and sustainable landfilling. The twelfth Symposium was held in October 2009 in the traditional venue of the Forte Village Complex at S.Margherita di Pula (Cagliari), with an attendance of approximately 1000 delegates from approx. 80 different countries.

The Symposium will focus on innovative aspects of Sustainable Waste Management, presenting new technologies, describing the state of the art and related case studies, discussing controversial subjects, sharing experiences among different countries and evaluating social and economical balances.

The Symposium will include oral presentations, poster sessions, specialized sessions and specific workshops. Training courses will be offered by the IWWG under the supervision of international leading experts before the start of the Symposium.

Organisations, Associations and Companies are traditionally welcome to organise their internal meetings during the event, with the support of the Symposium Organisation. To increase the participations of Authors from public bodies in developing countries, the Symposium Organisation is encouraging offers of fellowships by Public and Private Sponsors.

Venue and Location

Sardinia 2011 will be held on the Forte Hotel Village Complex situated near S. Margherita di Pula (Cagliari), Sardinia

Symposium Themes

The Symposium will last five days and will deal with municipal and commercial solid waste, hazardous waste and special waste including the following topics:

- Waste policy and legislation
- Waste management strategies
- Public participation and education
- Waste management assessment and decision tools
- Waste characterisation as a tool for waste management strategies
- New concepts for waste collection
- Waste minimisation and recycling
- Biological treatment
- Thermal treatment and advanced conversion technologies
- Mechanical biological treatment prior to landfilling
- Sanitary landfilling
- Integrated wastewater and solid waste management
- Waste management and climate change
- Waste management in developing and low income countries

Exhibition

A commercial exhibition will be held during the conference where associations and companies can display technical literature and other material.

Contact

Sardinia 2011 Organising Secretariat - Eurowaste Srl
Via Beato Pellegrino 23 - 35137 Padova (Italy)
E-mail: eurowaste@tin.it

Further Information <http://www.sardiniasymposium.it/sardinia2011>

LANDFILL 2011 - Waste Management Facilities – The New Order 18 - 20 October 2011, Durban, South Africa

The KwaZulu-Natal Landfill Interest Group (LIG) announces the Ninth Biennial Seminar on landfills, dedicated to capacity building and technology transfer in the science and practice of waste disposal by landfill. Landfill 2011 continues the highly successful series run over the last 18 years by the Landfill Interest Groups of the Institute of Waste Management of Southern Africa (the IWMSA). In 2011 this event has been made possible by a generous grant by Messrs Barloworld Equipment.

The prime focus of modern waste management lies in reducing waste that needs to be landfilled. Existing landfills are being scrutinised more closely and the development of new facilities is becoming increasingly challenging. However, landfilling and landfill treatment facilities are set to remain an important waste management option into the foreseeable future, and landfill facilities (now more appropriately known as 'waste management facilities') remain characterised by many problems related to technology, including leachate and biogas emissions.

The LIG Landfill Seminar series is designed to create a low-cost forum where a high standard of technology transfer may be experienced – with the focus firmly on landfill issues rather than on waste management in general. Landfill 2011 will continue this tradition.

Some Highlights

- Keynote Address by Mr Kelvin Legge, Chief Engineer: Integrated Environmental Engineering of the South African Department of Water Affairs, an international authority on fluid migration through soils and geosynthetic materials, on appropriate contaminant containment standards for the new national revised waste classification system.
- A half day workshop on lining design and landfill stability by an international expert on the subject, Mr. Richard Thiel of Thiel Engineering, based in California (www.rthiel.com). The cost of bringing Mr Thiel to South Africa will be sponsored by our partners GIGSA, thus assisting the LIG to keep to its mandate of providing affordable specialist landfill seminars.

Conference Themes

- Design, construction, and operation of landfills on steep slopes, near aquifers or dolomitic strata, and other challenging environments.
- Landfill barrier design and performance.
- Landfill policy and legislation: National and Provincial guidelines; regulation and planning requirements.
- Sustainable landfill concepts for municipal and hazardous waste.
- Landfill processes and emissions; leachate and gas management.
- Waste mechanics.
- Landfill remediation, aftercare and reuse.
- Alternative technologies.

Venue

The seminar will be held at the Docklands Conference Centre in Durban, South Africa.

More Information

For all further enquiries and information on registration, exhibition, accommodation, etc., please contact:

John Parkin (Conference Chairman): JohnPa@dmws.durban.gov.za

Rod Claus (Exhibition Co-ordinator): rcl@fibertex.com

Reported by

Peter Davies, IGS News Correspondent for GIGSA

International Conference on Deep Foundations and Problems of Underground Space Development 18 - 19 October 2011, Perm – Ufa, Russia



The Organizing Committee invites you to participate in the international conference "Deep Foundations and Problems of Underground Space Development", which will be held in Perm State Technical University on October 18 – 19, 2011. This conference will carry on the tradition of holding conferences on the problems of pile foundation engineering (1986 – 2004) and

the academic Bartolomey readings (2005-2007), held under the auspices of the Russian Society for Soil Mechanics, Geotechnics and Foundation Engineering. Perm State Technical University and Bashkir Scientific Research Institute for Construction as the organizers of the conference propose to enlarge the traditional subject area of conferences on piles taking into account current trends of underground space development, urban territory development and widespread geosynthetic material implementation in construction. This conference is also organized under the auspices of the Russian IGS-Chapter.

The purpose of this conference is to share experience among scientific, surveying and design organizations of Russia, to study international experience, to adopt joint approaches to the problems of underground space development.

Conference Topics

- Features of engineering surveys and determination of physical and mechanical characteristics of soils for deep foundations and underground structures.
- Experimental and theoretical studies of deep foundations, pile foundations including.
- State-of-the-art technologies for deep foundations, foundation reinforcement and reconstruction of the underground elements of buildings and structures.
- Examples from underground space development of urban territories, deep foundation application and geotechnical monitoring.
- Experience in research and application of geosynthetic materials in construction.

More Information

For all further enquiries and information on paper submission, registration, etc. please contact: spsstf@pstu.ac.ru

Reported by

Andrey Ponomaryov, President of Russian IGS-Chapter

XXIV Italian National Conference on Geosynthetics 7 October 2011, Bologna, Italy

The Italian Chapter of the International Geosynthetics Society (AGI-IGS), together with the Association of Engineers and Architects of Bologna and with BolognaFiere-SAIE 2011, organizes the XXIV Italian National Conference on Geosynthetics, this year dedicated to "Pavements and Tunnels".

The Conference will be held in Bologna on Friday 7 October 2011, i.e. the third day of the huge SAIE exhibition, the main important event in Italy in the field of constructions and civil engineering.

The morning session will be devoted to "Pavements applications", and it will be chaired by Stefano Aversa (President of AGI, the Italian Geotechnical Society).

The afternoon session will be devoted to "Tunnels applications", and it will be chaired by Daniele Cazzuffi (President of AGI-IGS, the Italian Chapter of IGS).

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

Reported by

Daniele Cazzuffi, President of AGI-IGS

VI Brazilian Symposium on Geosynthetics - Geosynthetics' 2011 21 – 24 November 2011, Minas Gerais, Brazil



The Brazilian Chapter of the International Geosynthetics Society (IGSBrasil), the Brazilian Society for Soil Mechanics and Geotechnical Engineering (ABMS) and the Federal University of Minas Gerais are honoured to invite you to participate in the VI Brazilian Symposium on Geosynthetics, Geossintéticos'2011. The Symposium will be held at

the Federal University of Minas Gerais (UFMG), Brazil, on November 21 to 24, 2011. At the same time it will be held the VII Brazilian Conference on Environmental Geotechnics, REGEO'2011. These events will be the forum for discussion of developments concerning studies and projects, construction and environmental protection in mining, waste disposal, degraded areas the use of geosynthetics in geotechnical engineering. This year a special emphasis will be given to the application of geosynthetics in mining.

Topics

The following will be the topics for discussion during the symposium

- Geosynthetics in Environmental Applications
- Geosynthetics in Mining
- Geosynthetics in hydraulic applications
- Geosynthetics in roads and railways
- Reinforced embankments and unpaved roads
- Reinforced walls and slopes
- Testing, monitoring and performance evaluation
- Drainage and filtration
- Other applications of geosynthetics

Language

Portuguese is the official language of the Symposium.

Registration

Detailed information is available at <http://www.regeossinteticos2011.ufmg.br>

For more information

For more information, please contact: regeossinteticos2011@etg.ufmg.br

Reported by

Maria das Graças A. Gardoni, Chair of the Geosynthetics'2011.

4th Portuguese Seminar on Geosynthetics 22 - 23 November 2011, University of Aveiro, Portugal

The 4th Portuguese Seminar on Geosynthetics will be held in the University of Aveiro, Portugal, on 22 - 23 November 2011. This event is organised by the Portuguese Chapter of IGS (IGS-Portugal), the Portuguese Geotechnical Society (SPG) and the University of Aveiro (UA).

The conference is aimed to be of great interest for geotechnical, environmental and civil engineers, project designers, contractors, consultants, manufacturers and installers, facility owners, researchers, professors and students.

Technical and Educational Program

The Seminar will start with a half-day course on "Filtration and drainage with geosynthetics" by Maria de Lurdes Lopes (FEUP) and Isabel Pinto (FCTUC). The following periods include 4 Keynote lecturers and several oral presentations, on the following topics: coastal and hydraulic engineering, environmental engineering, soil reinforced structures and transportation engineering.

Keynote lectures

There will be four keynote lectures on the four main topics of the seminar:

- "The use of geotextiles in coastal and hydraulic engineering, revetments and sand filled structures" by Adam Bezuijen, Deltares, Holland
- "Geosynthetics in Environmental Engineering: recent developments in the materials and applications" by Madalena Barroso, LNEC, Portugal
- "Variability of soil-geosynthetic interface shear strength: implications for design" by Neil Dixon, Loughborough University, Leicestershire, UK
- "Geogrid reinforced steep slopes and base courses – prediction and field monitoring of geogrid-strains and earth pressure distribution" by Jörg Klomp maker, BBG Bauberatung Geokunststoffe GmbH & Co. KG, Espelkamp-Fiestel, Germany

Exhibition

A Technical Exhibition is going to take place. The two-day exhibition will be held November 22 - 23, 2011 at University of Aveiro. The seminar offers an excellent opportunity for geosynthetics' manufacturers and service providers to present new technologies and innovations to regulators, contractors, engineers, specifiers and other geosynthetics users.

Invitation

The Organizing Committee invites you and your company to support the 4th SPGeo. This can be done with a Sponsorship, Support or participation in the Technical Exhibition that will be held during the seminar.

GOLD sponsorship (2000€): corresponds to occupying a more visible space (2x3m²) in the Technical Exhibition, 3 registrations in the seminar, placing the company logotype in all the divulgation documents, including the web page, with larger visibility and including documentation provided by the company in the seminar handouts;

SILVER sponsorship (1500€): corresponds to occupying a space (2x3m²) in the Technical Exhibition, 2 registrations in the seminar, placing the company logotype in all the divulgation documents, including the web page and including documentation provided by the company in the seminar handouts;

BRONZE sponsorship (1000€): corresponds to occupying a space (2x3m²) in the Technical Exhibition, 2 registrations in the seminar, placing a small company logotype in all the divulgation documents, including the web page;

SUPPORT (500€): corresponds to 2 registrations in the seminar, placing a small company logotype in all the divulgation documents, including the web page;

Participation in the TECHNICAL EXHIBITION (500€): corresponds to occupying a space (2x3m²) in the Technical Exhibition.

Important dates

Submission of full papers: 30 July 2011

Acceptance of papers: 31 August 2011

Language

Portuguese is the official language of the Seminar.

Registration

Detailed information will be soon available at <http://4spgeo.web.ua.pt>

For more information

For more information, please contact: 4spgeo@ua.pt

Reported by

Madalena Barroso, IGS News Correspondent from Portugal

2011 ICKGSS - International Conference on Sustainable Application of Geosynthetics Technology Commemoration of 10th Anniversary of Korean Geosynthetics Society Foundation, 23 - 24 November 2011, Seoul, South Korea



The ICKGSS (International Conference of Korean Geosynthetics Society) invites you to participate 2011 ICKGSS which will be held in the commemoration of 10th Anniversary of Korean Geosynthetics Society Foundation from November 23 - 24 2011. The objective of this conference is to provide a forum for dissemination and exchange of relevant scientific and technical ideas on up-to-date geosynthetics technology.

Conference Topics

- Coastal, Transportation and Underground Engineering
- Erosion Control and Hydraulic Engineering
- Geo-Environmental and Green Structure Application
- Testing, Standardization, Regulation and Reliability
- Geosynthetics Stabilized and Reinforced Soil Structure
- MQC/MQA and CQC/CQA of Geosynthetics

Call for Papers

Abstract (of no more than 300 words, within one A4 page) should be sent to the organizing committee. Abstracts should include name, full address and conference topic.

Important dates

Paper Submission: 31 August 2011

Final Paper Submission: 30 September 2011

For more information

For more information, please contact: hyjeon@inha.ac.kr

Reported by

Dennnes T. Bergado, President of IGS Thai-Chapter

International Symposium on Sustainable Geosynthetics and Green Technology for Climate Change (SGCC 2011) Retirement Symposium for Prof. D.T. Bergado 7 and 8 December 2011, Bangkok, Thailand

The International Symposium on Sustainable Geosynthetics and Green Technology for Climate Change (SGCC2011) will be held from 7 to 8 December 2011 at the Grand Centara Convention Hotel, Bangkok, Thailand. This symposium is hosted by the Asian Center for Soil Improvement and Geosynthetics (ACSIG) in the Geotechnical and Earth Resources Engineering Program (GTE) under the School of Engineering and Technology (SET) at the Asian Institute of Technology (AIT), the Southeast Asian Geotechnical Society (SEAGS), the International Geosynthetics Society-Thailand Chapter (IGS-Thailand), and Suranaree University of Technology (SUT), under the auspices of the International Geosynthetics Society (IGS). SGCC2011 will also serve as the Retirement Symposium of Prof. Dennes T. Bergado.

The Symposium will cover a wide range of topics including:

- Roads/Railways/Transport Applications
- Food Control/Reservoirs/Hydraulic Applications
- Mining/Waste Containment/Environmental Protection
- Ground Improvement/Remediation/Case Studies
- Reinforced Slopes/Walls and Geohazard Mitigations
- Geosynthetic for Renewable Energy
- Geo-Containers and Geotubes
- Behavior of Unsaturated Soils/Rain-Triggered Landslides
- Earthquake Engineering/Geophysics
- Foundation Engineering/Retaining Walls
- Laboratory/Field Tests/Durability of Geosynthetics
- Sustainable Limited Life Geosynthetics (LLG_S)
- Case Histories and Geosynthetics Innovations
- Sustainable Geosynthetics Engineering/Applications

Important Dates

| | |
|--|-----------------|
| Deadline for Abstract Submission: | 30 July 2011 |
| Notification of Abstracts Acceptance: | 15 August 2011 |
| Deadline for Manuscript Submission1: | October 2011 |
| Notification of Manuscript Acceptance: | 15 October 2011 |
| Deadline for Author Registration: | 1 November 2011 |

For more information

For further information please contact: /SGCC2011 Secretariat c/o Asian Center for Soil Improvement and Geosynthetics (ACSIG), GTE/SET,Asian Institute of Technology, P.O. Box 4, Klong Luang, Pathumthani 12120 Thailand

Tel No.: +66-2 524 5500/5523

Fax No.: +66-2 524 6050

Email: igs-thailand@ait.ac.th / climatechange@ait.ac.th

www.set.ait.ac.th/acsig/sgcc2011

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

10 - 12 September 2012, Sapporo, Hokkaido, Japan,

**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

Important dates

| | |
|--|-------------------|
| Deadline for abstract submission: | June 30, 2011 |
| Notification of abstract acceptance: | August 31, 2011 |
| Deadline for formatted paper submission: | December 31, 2011 |
| Notification of final paper acceptance: | April 30, 2012 |

For more information

More information may be found at the Conference website <http://congress.coop.hokudai.ac.jp/tc3conference>

Please contact and abstracts or enquiries should be sent to E-mail: tc3conference@eng.hokudai.ac.jp

List of IGS Chapters

Argentina

Argentinean Chapter (2009)
President: Prof. Sergio Reyes,
sreyes@reyesasoc.com.ar

Australia and New Zealand

Australasian Chapter (2002)
President: Mr. Mike Sadlier
sadlier@attglobal.net

Belgium

Belgian Chapter (2001),
Chairman: Frans De Meerleer
frans.texion@skynet.be
www.belgian-geosynthetics.be

Brazil

Brazilian Chapter (1997)
President: Eng. Lavoisier Machado
igsbrasil@igsbrasil.org.br
www.igsbrasil.org.br

Chile

Chilean Chapter (2006),
President: Luis Paredes
Lparedes@vectorchile.cl
<http://igs-chile.org/index.html>

China

Chinese Chapter (1990)
Chairman: Li, Guangxin
postmaster@ccigs.com.cn
www.ccigs.com.cn

Czech Republic

Czech Chapter (2003)
Chairman: Mr. Petr Hubik
igs@igs.cz
www.igs.cz

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Finish Chapter (2011)
President: Minna Leppänen
igsfin.secretary@gmail.com

France

French Chapter (1993)
President: Mr. Jean-Pierre Magnan
francois.caguel@developpement-durable-gouv.fr

Germany

German Chapter (1993)
Chairman: Prof. Dr.-Ing. Martin Ziegler
service@dggg.de
www.gb.bv.tum.de/fachsektion/index.htm

Greece

HGS, Greek Chapter (2005)
President: Mr. Dimitrios K. Atmatzidis
dac@upatras.gr

India

Indian Chapter (1988)
President: Prof. K. Rajagopal
cbip@cbip.org
www.cbip.org

Indonesia

INA-IGS, the Indonesian Chapter (1992)
President: Mr. Gouw Tjie Liong
ina_igs@binus.ac.id

Italy

AGI-IGS, the Italian Chapter (1992)
President: Dr. Ing. Daniele Cazzuffi
agiroma@iol.it
www.assoziazionegeotecnica.it/~agi/

Japan

Japanese Chapter (1985)
Chairman: Dr. Hiroshi Miki
miki-egri@nifty.com
wwwsoc.nii.ac.jp/jcigs/

Korea

KC-IGS, The Korean Chapter (1993)
President: Prof. Eun-Chul Shin
kqss-adm@kqss.or.kr
www.kqss.or.kr

Mexico

Mexican Chapter (2006)
President: Giovanni Bellei
Giovanni.bellei@maccaferri.com.mx

The Netherlands

Netherlands Chapter (1992)
President: Dr. Ir. A. H. de Bondt
mail@ngo.nl
www.ngo.nl

North America

North American Geosynthetics Society (NAGS) (Canada, USA) (1986)
President: Dean Sandri
NagsDirector@aol.com
www.nags-igs.org

Norway

Norwegian Chapter of IGS (2008)
President: Jan Vaslestad
jan.vaslestad@vegvesen.no

Pakistan

PakistanianChapter of IGS (2011)
President: Tariq Ikram
mr.tariq.ikram@gmail.com

Peru

Peruvian Chapter (2001)
President: Boris Castillo
boris.castillo@geoserviceing.com.pe
www.igsperu.org

Philippines

Philippine Chapter (2007)
President: Engr. Emil Morales
emmorales@gmail.com or
igs_philippines@yahoo.com
www.igsphilippines.com

Poland

Polish Chapter (2008)

Chairman: Prof. Adam Bolt
abolt@pg.gda.pl

Portugal

Portuguese Chapter (2003)
President: Maria de Lurdes Lopes
Lcosta@fe.up.pt
www.spgeotecnia.pt

Romania

Romanian Chapter (1996)
President: Dr. Valentin Feodorov
adiol@utcb.ro

Russia

Russian Chapter of IGS (RCIGS, 2008)
President: Prof. Andrey Ponomaryov
ofrikhter@mail.ru

Slovakia

Slovakian Chapter of IGS (2011)
President: Dr. Radovan Baslik
baslik@tecgeo.sk

South Africa

South African Chapter (1995)
President: Anton Bain
bain@jaws.co.za or
joannes@englining.co.za
www.qiqsa.org

Spain

Spanish Chapter (1999)
President: Mr. Angel Leiro
pabad@cetco.es
www.igs-espana.com

Thailand

Thai Chapter (2002)
President: Prof. Dennes T. Bergado
bergado@ait.ac.th
www.set.ait.ac.th/acsig/igs-thailand

Turkey

Turkish Chapter (2001)
President: Dr. Orkun Akkol
orkunakkol@orientresearch.com

United Kingdom

U.K. Chapter (1987)
Chairman: Neil Dixon
n.dixon@lboro.ac.uk
www.igs-uk.org

West Pacific Regional Chapter

West Pacific Regional Chapter (1997)
President: Dr. Dave Ta-The Chang
tateh@cyu.edu.tw

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**

Fifth International Symposium on Deformation Characteristics of Geomaterials (IS-Seoul 2011)
Seoul, Korea
31 August - 3 September 2011
E-mail: is-seoul@kaist.ac.kr
www.isseoul2011.org

21st European Young Geotechnical Engineers' Conference
Rotterdam, Netherlands, The
4 - 7 September 2011
E-mail: EYGEC2011@kiviniria.net
www.kiviniria.net/EYGEC2011

XV European Conference on Soil Mechanics and Geotechnical Engineering "Geotechnics of Hard Soils – Weak Rocks"
Athens, Greece
12 - 15 September 2011
E-mail: athens2011ecsmge@hssmge.gr
www.athens2011ecsmge.org

GEOSYNTHETICS INDIA '11 and An Introductory Course on Geosynthetics
Chennai (Tamil Nadu), India
22 - 24 September 2011
E-mail : uday@cbip.org;
cbip@cbip.org
<http://www.cbip.org>

5th Remediation Technologies Expo RemTech 2011
Ferrara, Italy
28 - 30 September 2011
Email: info@remtechexpo.com
www.remtechexpo.com

XIV Panamerican Conference on Soil Mechanics and Geotechnical Engineering (October) & V PanAmerican Conference on Learning and Teaching of Geotechnical Engineering, & 64th Canadian Geotechnical Conference
Toronto, Ontario, Canada
2 - 6 October 2011
E-mail: info@panam-cgc2011.ca
www.panam-cgc2011.ca

Sardinia 2011
13th International Waste Management and Landfill Symposium
S. Margherita di Pula, Cagliari, Italy
3 - 7 October 2011
Email: info@sardiniasymposium.it
www.sardiniasymposium.it

2nd World Landslide Forum
"Putting Science into Practice"
Roma, Italy
3 - 9 October 2011
E-mail: secretariat@wlf2.org

Calendar of Events

www.wlf2.org

TC207 Workshop on Soil-structure Interaction and Retaining Walls
Dubrovnik, Croatia
5 - 8 October 2011
E-mail: isokolic@grad.hr
www.georec.spb.ru/tc207/2011-Croatia/

XXIV Italian Conference on Geosynthetics
Bologna, Italy
7 October 2011
E-mail: agiroma@iol.it

International Conference on Deep Foundation and Underground Improvement
Perm - Ufa, Russia
18 - 19 October 2011
E-mail: spstf@pstu.ru,
andreyfab@mail.ru

Landfill 2011 "Waste Management Facilities - The New Order"
18 - 20 October 2011
Durban, South Africa
E-mail:
JohnPa@dmws.durban.gov.za

Waterproof Membranes 2011
International Conference on Synthetic and Bitumen Waterproofing for Roofing and Geomembranes
Cologne, Germany
15-17 November 2011
E-mail: cf@amioplastics.com
www2.amiplastics.com/Events

VII Brazilian Conference on Environmental Geotechnics (REGEO' 2011)
VI Brazilian Conference on Geosynthetics (Geossintéticos' 2011)
21 - 24 November 2011
Belo Horizonte, Minas Gerais State, Brazil
www.regeo2011.ufmg.br

4th Portuguese Seminar on Geosynthetics
22 - 23 November 2011
Aveiro, Portugal
E-mail: 4spgeo@ua.pt
www.4spgeo.web.ua.pt

2011 ICKGSS International Conference on Sustainable Application of Geosynthetics Technology
Commemoration of 10th Anniversary of Korean Geosynthetics Society Foundation
Seoul, South Korea

**Short Courses
Expositions
Trade Shows**

23 - 24 November 2011
Email: hyeon@inha.ac.kr

International Symposium on Sustainable Geosynthetics and Green Technology for Climate Change (SGCC2011)
Retirement Symposium for Prof. D.T. Bergado)
Bangkok, Thailand
7 - 8 December 2011
Email: igs-thailand@ait.ac.th /
climatechange@ait.ac.th
www.set.ait.ac.th/acsig/sgcc2011

BAUTEX 2012 - Bauen mit Geotextilien (Building with Geotextiles), 10th Sächsisches Bautextilien - Symposium (Saxonian Buildingtextile - Symposium)
Chemnitz, Germany
26 January 2012
E-mail: matthias.maegel@stfi.de
www.stfi.de

GeoAmericas 2012
II. Pan-American Congress on Geosynthetics
Lima, Peru
2 - 5 May 2012
www.igsperu.org

Second International Conference on Performance-Based Design in Earthquake Geotechnical Engineering
Taormina, Italy
28 - 30 May 2012
E-mail: agiroma@iol.it
www.associazionegeotecnica.it/novita

TC 211 International Symposium & Short Courses "Recent Research, Advances & Execution Aspects of GROUND IMPROVEMENT WORKS"
Brussels, Belgium
30 May - 1 June 2012
E-mail: carine.godard@bbri.be
www.bbri.be/go/IS-GI-2012

12th Baltic Sea Geotechnical Conference
Rostock, Germany
31 May - 02 June 2012
E-mail: On scientific issues:
service@dggt.de
On organizational issues:
12bsgc@interplan.de
www.12bsgc.de

International Conference on Geotechnical Engineering Education
Galway, Ireland
4 - 6 July 2012
E-mail: bryan.mccabe@nuigalway.ie

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

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

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

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

32. Baugrundtagung with exhibition „Geotechnik“
Mainz, Germany
26 – 29 September 2012
www.dgggt.de

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: vinod@uow.edu.au

GEOSYNTHETICS ASIA 2012 (GA2012)
5th Asian Regional Conference on Geosynthetics
Bangkok, Thailand
10 -14 December 2012
www.set.ait.ac.th/acsig/igs-thailand

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

Geosynthetics
Berlin, Germany
21 – 25 September 2014
E-mail: g.braeu@bv.tum.de
www.10icg-berlin.com

Note:
The conference announcements are shown with different graphics due to their priority for IGS:

IGS Conference

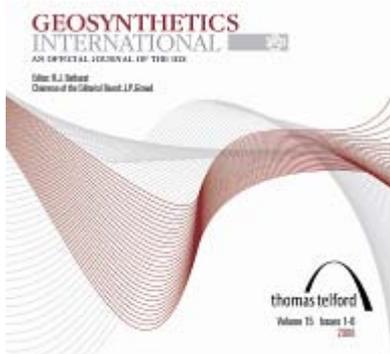
Conference organized under the auspices of the IGS

Conference under the auspices or with the support of an IGS Chapter

Official Journals of the IGS

Electronic Journals Free to IGS Members

Geosynthetics International



Geosynthetics International is an official journal of the IGS and has established itself as a premier peer-reviewed journal on geosynthetics. The Journal publishes technical papers, technical notes, discussions, and book reviews on all topics relating to geosynthetic materials (including natural fiber products), research, behaviour, performance analysis, testing, design, construction methods, case histories, and field experience.

Geosynthetics International is only published electronically starting Volume 10 (2003) by Thomas Telford and is free to IGS Members. All others, e.g., corporations, companies, and university libraries, can subscribe at a rate of £ 421 / US\$ 870. An individual rate for those non-members whose organization subscribes, but would like an additional personal subscription (including the update CD) will be available for £ 60 / US\$ 108.

The update CD is issued annually as part of the subscription for non- IGS Members and includes all papers published in that year. IGS Members can opt to buy the CD for US\$ 100.

Visit the Journal's web site given below for subscription information and instructions for accessing the latest issues.

Papers should be not published in full elsewhere and should be sent to one of the following individuals:

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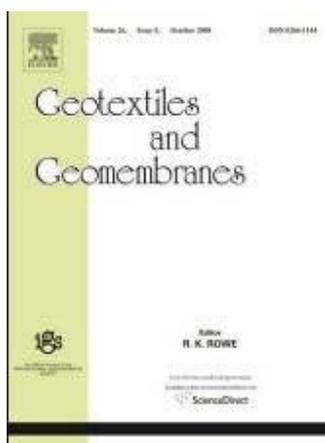
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Client: National Highway Authority of India

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Wall Facing Area: 25500 m²

Wall Height: 10 m



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First, to contribute to the development of our profession.

Second, to enjoy the benefits.

By becoming an IGS Member you can:

- help support the aims of the IGS, especially the development of geotextiles, geomembranes, related products, and associated technologies;
- contribute to the advancement of the art and science of geotextiles, geomembranes, related products, and their applications;
- provide a forum for designers, manufacturers, and users, where new ideas can be exchanged and contacts improved; and
- become increasingly informed, involved, and influential in the field of geotextiles, geomembranes, related products, and associated technologies.

The following benefits are now available to all IGS Members:

- the online IGS Membership Directory, updated in real time;
- the newsletter, IGS News, published three times per year;
- free electronic issues of Geosynthetics International and Geotextiles & Geomembranes;
- 19 IGS Mini Lecture Series are available online;
- information on test methods and standards;
- discount rates on the purchase of any future documents published by the IGS and on the registration cost of all international, regional, or national conferences organized by or under IGS auspices;
- preferential treatment at conferences organized by or under the auspices of the IGS; and
- the possibility of being granted an IGS award.

Please check whether there is a local IGS Chapter in your country (list at page 25)!
otherwise please use the online form at <http://www.geosyntheticssociety.org>
or the following

IGS Membership Application

Membership of the Society is open to Individuals or Corporations "...engaged in, or associated with, the research, development, teaching, design, manufacture or use of geotextiles, geomembranes and related products or systems and their applications, or otherwise interested in such matters." The annual fee for membership is (US) \$45 for Individual Members and (US) \$1000 for Corporate Members. Individuals or Corporations who voluntarily contribute a minimum of (US) \$200 annually to the Society, in excess of their membership dues, will be mentioned in the IGS Membership Directory in a separate list as benefactors. Send this completed form to:

The International Geosynthetics Society
1934 Commerce Lane, Suite #4
Jupiter, FL 33458
USA
TEL: +1.561.768.9489 FAX: +1.561.828.7618
Email: IGSsec@geosyntheticssociety.org

Attach your business card or fill in your address (print or type if possible), as you wish it to appear in the next IGS Membership Directory.

Title (circle one): Mr. Ms. Dr. Prof. Other: _____
First Name: _____ Last Name: _____

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Eligibility (connection with geotextiles, geomembranes, related products or associated technologies): _____

Keyword (up to 25): _____

Membership fee: Individual (US) \$ 45, Corporate (US) \$1000, Benefactor (minimum (US) \$ 200