

IGS NEWS



NEWSLETTER OF THE INTERNATIONAL GEOSYNTHETICS SOCIETY

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

VOLUME 27, NO. 1

2011

Content

President's Corner: The Chapters of IGS	2
Summary of 2009 IGS Chapter Activities	4
Notes from the Secretary's Office	6
IGS Council Meeting Update.....	6
IGS Office – New Address & Phone Number	7
Congratulations to the Three Newly Formed IGS Chapters!.....	7
A Passing of the Treasurer's Torch.....	7
2012 a Year of Regional Conferences and Multiple IGS Activities.....	7
Updated Operating Units of the IGS Council.....	8
Conference Reports	9
6 th International Congress on Environmental Geotechnics November 8 - 12, 2010, New Delhi, India	9
GEOSYNTHETICS Middle East 2010, Abu Dhabi 3 rd International Conference	10
International Symposium and Exhibition on Geotechnical and Geosynthetics Engineering: Challenges and Opportunities on Climate Change and One-Day Short Course on Geosynthetics Applications and Case Histories.....	11
2010 Symposium of Ecological Technology and Carbon Footprint Reduction Integration for Geosynthetics Applications in Sustainable Infrastructure	13
German Geosynthetics Conference FS-KGEO 2011 .	14
Announcements of Conferences of IGS	16
10 th International Conference on Geosynthetics – 10ICG Berlin, Germany, 21 – 25 September 2014.....	16
Announcements of Regional Conferences of IGS	17
GEOAMERICAS 2012	17
5 th European Geosynthetics Conference	18
Geosynthetics Asia 2012 5 th Asian Regional Conference on Geosynthetics	19
Announcements of Conferences under the Auspices of IGS	20
International Conference on Ground Improvement and Ground Control.....	20
News from the IGS Chapters and the Membership	21
Colin Jones, Alan McGown & Bob Warwick awarded honorary membership	21
Geo-Frontiers 2011 North American Geosynthetics Society Sponsored Student Paper Competition Winners	21
Gerhard Bräu Received EMS-Award	22
Sound Geotechnical Research to Practice	22
News from GIGSA	23
"GSI Fellowships for Students" Request for Proposals	23
GEOSYNTHETICS INDIA '11 and An Introductory Course on Geosynthetics.....	24
5 th Remediation Technologies Expo, RemTech 2011 .	25
Sardinia 2011	25
LANDFILL 2011 - Waste Management Facilities – The New Order	26
International Conference on Deep Foundations and Problems of Underground Space Development.....	27
XXIV Italian National Conference on Geosynthetics ...	28
4 th Portuguese Seminar on Geosynthetics.....	28
2011 ICKGSS - International Conference on Sustainable Application of Geosynthetics Technology	29
2 nd International Conference on Transportation Geotechnics (IS-Hokkaido 2012)	29
List of IGS Chapters.....	30
Calendar of Events	31
Official Journals of the IGS	32
Geosynthetics International	32
Geotextiles & Geomembranes	34
Corporate Membership	35
Corporate Members of the IGS	35
Corporate Profile – GRANITE environmental, USA	38
Corporate Profile – MATTEX, USA	39
IGS News Publisher, Editor and Chapter Correspondents	40
IGS Council	41
IGS Officers	41
IGS Membership Application	42

President's Corner: The Chapters of IGS



Jorge Zornberg

Dear IGS member,

On March 13, 2011, the number of chapters of the IGS increased by approximately 10%. Specifically, during its recent meeting in Dallas, the IGS Council approved the creation of the Finnish, Pakistani, and Slovak chapters of the IGS. These new additions, which bring the total number of chapters of our Society to 34, provide good evidence of the healthy and continued growth of the IGS. We welcome the three new chapters to the IGS family!

The addition of every new chapter provides us with the opportunity not only to nurture the newcomer by extending our ongoing technical activities into new geographic areas, but also to stimulate the existing IGS chapters by implementing initiatives that will lead to the continued growth of the geosynthetics discipline. A good example is the recent opportunity to initiate a program aimed at providing educational material on geosynthetics to professors in universities of some of our youngest chapters. The IGS response to this need is expected to lead to a broad initiative focused on undergraduate education on geosynthetics. This initiative will certainly benefit young and mature chapters alike.

The concept of IGS chapters developed soon after the founding of the IGS on 10 November 1983. During its 27 years of existence, the number of IGS chapters has grown remarkably. Figure 1 shows the chronology of the formation of IGS chapters. As shown in the figure, the number of chapters has been increasing at a significantly high (and reasonably steady) rate of over one chapter per year (1.2 chapters per year, to be more precise). The concept of IGS chapters was introduced very early in the history of our Society, with Japan taking the initiative of forming the very first chapter in 1985. This initiative was soon followed by North America (NAGS) and the UK, which formed the first chapters in the Americas and Europe in 1986 and 1987, respectively. New chapters were continuously added to the IGS ranks and, by 1993 (the 10th anniversary of the IGS), a total of 10 chapters were already operating across Asia, Europe, and North America. By the end of the second decade in the life of the IGS, a total of 24 chapters had been formed (now in all continents). And in 2011, the number of IGS Chapters has just reached 34 as a result of a continued focus on increasing the presence of the IGS and of geosynthetics to all regions.

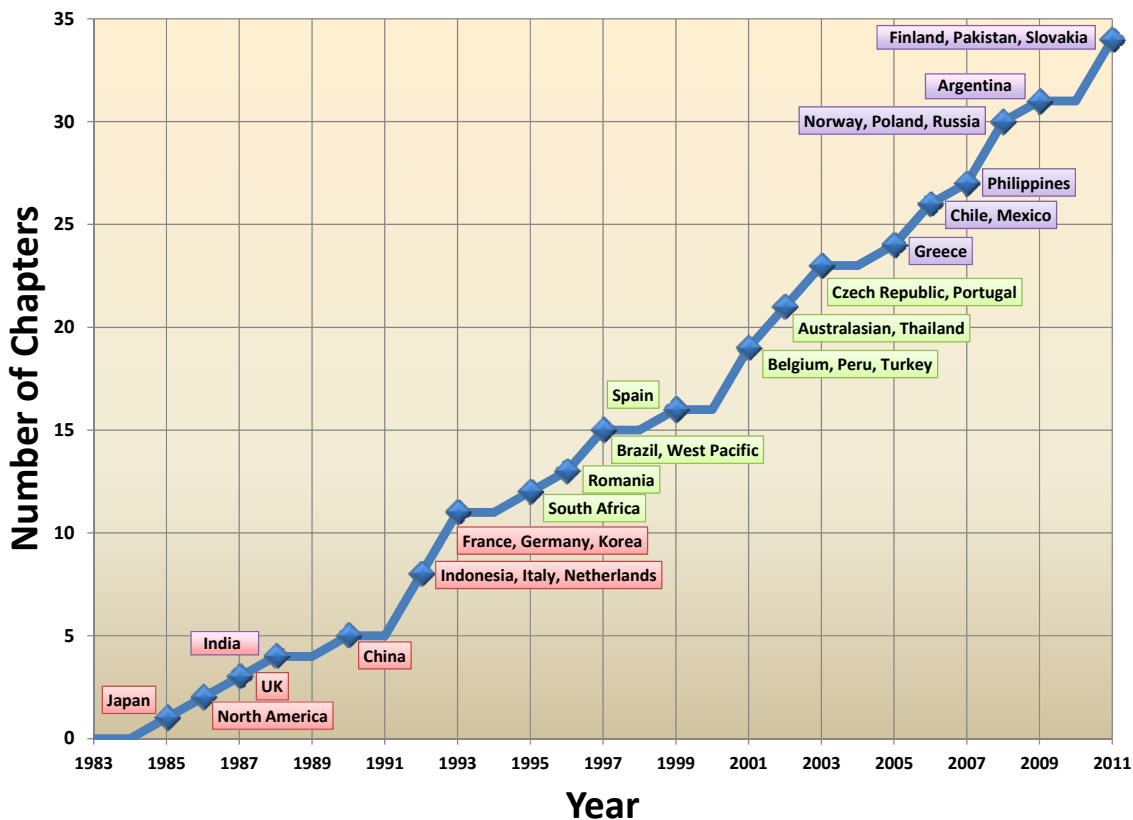


Figure 1: Chronology of the formation of IGS Chapters.

Figure 2 shows the world presence of the IGS in the form of IGS Chapters. As mentioned, during the first decade of the IGS, chapters were created in Western Europe, North America and Eastern Asia (countries shown in 'red' in Figure 2). They probably correspond to regions in the world where the geosynthetics market is now mature regarding the now traditional applications involving geosynthetics. During the second decade of the IGS, new chapters spread out to the rest of the continents, including South America, Africa, and Oceania (countries shown in 'green' in Figure 2). This second generation of chapters includes growing economies in the world where the geosynthetics industry is probably still finding its acceptance by governmental agencies but that now counts with a solid group of professionals educated on geosynthetics. Indeed, many of the most spectacular projects involving geosynthetics have been constructed in some of these countries. Finally, during the third decade of the IGS, new chapters have been formed in areas such as Eastern Europe and Latin America. This third generation of chapters includes countries where the geosynthetics market is mostly in emerging stages and where a technology transfer, which should be sensitive to local practices and economic conditions, may lead to a significant increase of the geosynthetics market.

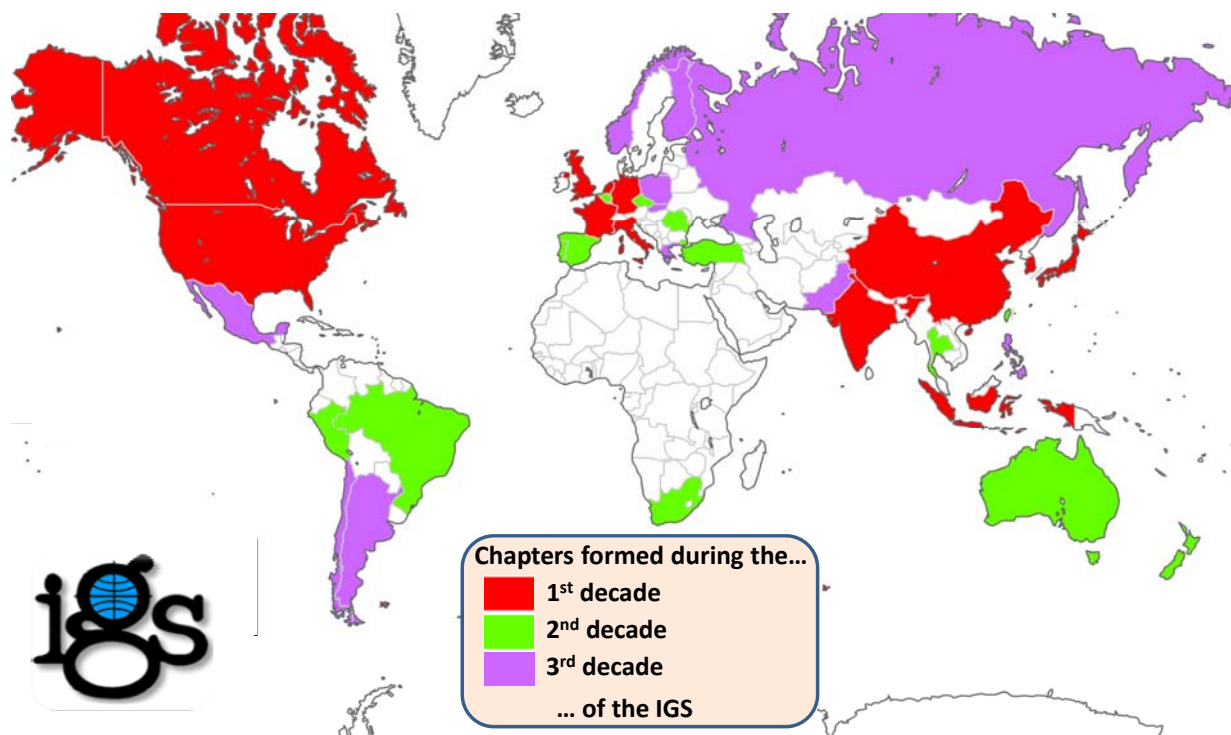


Figure 2: The chapters of the IGS

In summary, with our society now heading towards three decades of existence, the challenges and opportunities involving the dissemination of geosynthetics knowledge continue to be significant. Indeed, the role of the IGS chapters in this dissemination is expected to continue to grow and it is the intention of the IGS to tailor the assistance to the various chapters according to their specific needs.

The number of technical activities conducted by the many IGS chapters is, simply, impressive. Starting in 2008, new guidelines were developed to facilitate the communication and summary of the important chapter activities. The heart of this new approach is the completion by the IGS chapters of a new Standard Reporting Form. The Summary Report of the activities of IGS chapters conducted in 2009 is discussed in this issue of IGSNews by IGS Vice President Jones (please refer to page 4 of this issue). This is the year of structured chapter reporting and as such the second summary report. This has allowed a cross-cutting evaluation of the full body of IGS technical activities at international, regional and chapter levels. As in 2008, the 2009 chapter reports show a truly impressive number of technical activities. These activities include, to name a few, multi-lingual national conferences, educational programs aimed at regulators, and a healthy number of professional meetings. As indicated in the companion article, the overall level of activity is very high, as clearly illustrated by a total of 84 technical events reported by the chapters for 2009. This number exceeds the impressive number of 80 technical events reported for 2008, while being shy of the 88 technical events reported as planned by IGS chapters for 2010. It is clear that the IGS chapter activities will continue in a path of significant growth.

The impressive number of local activities reported by the chapters is complemented by their significant effort in organizing the international and regional conferences of the IGS. The role of IGS chapters is particularly visible in the organization of our regional conferences. The last cycle of IGS Regional Conferences included the First Pan-American Geosynthetics Conference (GeoAmericas 2008), held in Cancun, Mexico, the Fourth European Geosynthetics Conference (EuroGeo4) held in 2008 in Edinburgh, UK, the Fourth Asian Geosynthetics Conference (Geosynthetics Asia 2008) held in Shanghai, China, and the First African Geosynthetics Conference (GeoAfrica 2009) held in Cape Town, South Africa. We are now looking forward to the next cycle of IGS Regional Conferences, which are already scheduled to take place in Lima, Peru (GeoAmericas 2012), Valencia, Spain (EuroGeo5 in 2012)

and Bangkok, Thailand (Geosynthetics Asia 2012). The organizers of each one of these regional conferences are diligently preparing their technical programs and are becoming ready to receive your (the IGS member's) contributions. Please refer to the corresponding articles in this issue of IGSNews for additional information.

The Council Committees of the IGS Council include a group of Regional Activities Committees, the charge of which includes promoting the activities and presence of the IGS in a given region, helping with the formation of new IGS Chapters, assisting in the organization of regional conferences of the IGS, and facilitating the distribution in the region of material to promote technical and educational events that will benefit the geosynthetics discipline. Specifically, the IGS chapters are grouped at the IGS Council level into the African, Asian, European, and Pan-American Regional Activities committees. It should be emphasized that that these are open IGS committees. Accordingly, representatives of the IGS chapters, as well as individual and corporate members, are encouraged to participate in the meetings and activities of these committees. An overview of the most recent structure of IGS Operating Units (including Council Committees, Council Task Forces, and Technical Committees) is reported in a companion article in this issue of IGSNews (see page 8).

Ongoing initiatives being implemented at the IGS level directly benefitting the individual IGS Chapters include support for the development of online chapter membership web pages, nomination of chapter members in the various technical committees of the IGS, participation in the Student Awards program of the IGS, involvement in the technical program of the upcoming IGS Regional Conferences, and participation in some of the various ongoing educational initiatives of the IGS. For additional information of these various initiatives and how they can specifically benefit your chapter please contact the chair of your corresponding Regional Activities Committee or the IGS Secretariat Manager (igssec@geosyntheticssociety.org).

The IGS chapters have been and will certainly continue to be very powerful arms of our Society to achieve our core purpose, which is **“to provide the understanding and promote the appropriate use of geosynthetic technology throughout the world.”**



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

tel: +1(512) 232 3595
e-mail: zornberg@mail.utexas.edu

Summary of 2009 IGS Chapter Activities



**Russell
Jones**

The use of the new standard reporting form for chapter reports allows IGS to understand the activities being carried out at local, regional and international level. This summary report for the year 2009, which follows the inaugural 2008 report included in the July 2009 edition of IGS News, shows an impressive number of technical activities being undertaken around the world. Figure 1 summarises the total number of technical activities carried out in 2009 by IGS chapters. These include activities where the chapter acted either independently or as a collaborating organisation. It can be seen from the figure that a total of **24 technical conferences** were organ-

ised by IGS Chapters in 2009. This is a truly impressive number of national events and is up from 18 in 2008.

The IGS chapters also reported a total of **19 workshops, 17 short courses** and **11 main lectures** held in 2009. These technical activities were supported by **171 reported board/committee meetings** (in-person and conference calls), which shows the effort being put in by the chapter officers and members.

An assessment of the most active IGS chapter has again been carried out. Again, it should be noted that this is based on the reported numbers and may therefore potentially be inaccurate. However, it is felt that this is a worthwhile exercise not only to identify chapters that are worth recognition, but also to identify chapters that may benefit from more support and help in coordinating future activities.

Figure 2 shows a measure of the level of activities conducted by each of the IGS chapters in 2009. As previously, the Activity Index was defined as a weighted average of the self-reported technical activities. For consistency, the same weighting methodology as last year has been used where conferences are worth more than workshops, which in turn are worth more than main lectures. Also, activities conducted by chapters are worth more than those conducted by chapters acting as a collaborating organisation.

The top score, for the second year running, goes to the South African Chapter (GIGSA) with an activity index of 49, only 1 short of its impressive 2008 activity index of 50. Our very active European chapters (Romania, France, Por-

tugal and Netherlands) all received activity indices of 40 or over, with Chinese Chapter also receiving an activity index of 40. While the approach used to calculate the Activity Index is certainly subjective, the distribution within Figure 2 is expected to be insensitive to the weighting approach.

The chapters have also reported a healthy number of technical activities planned for 2010. Figure 3 summarises the number of conferences, workshops, short courses and main lectures planned. Based on this information, the level of activities is expected to continue to be significant, which is very encouraging. The majority of the chapter reports for 2010 have been received, and it will be interesting to compare the planned events with the actual events!

In summary, the response to the second year of standard reporting by chapter has been superb. The overall level of activity is very high as clearly illustrated by a total of 84 technical events reported by the chapters for 2009. This is even higher than the impressive 80 technical events reported for 2008. With 88 technical events planned for 2010, it certainly looks like the activities show no sign of slowing down.

*Reported by
Russell Jones, IGS Vice President*

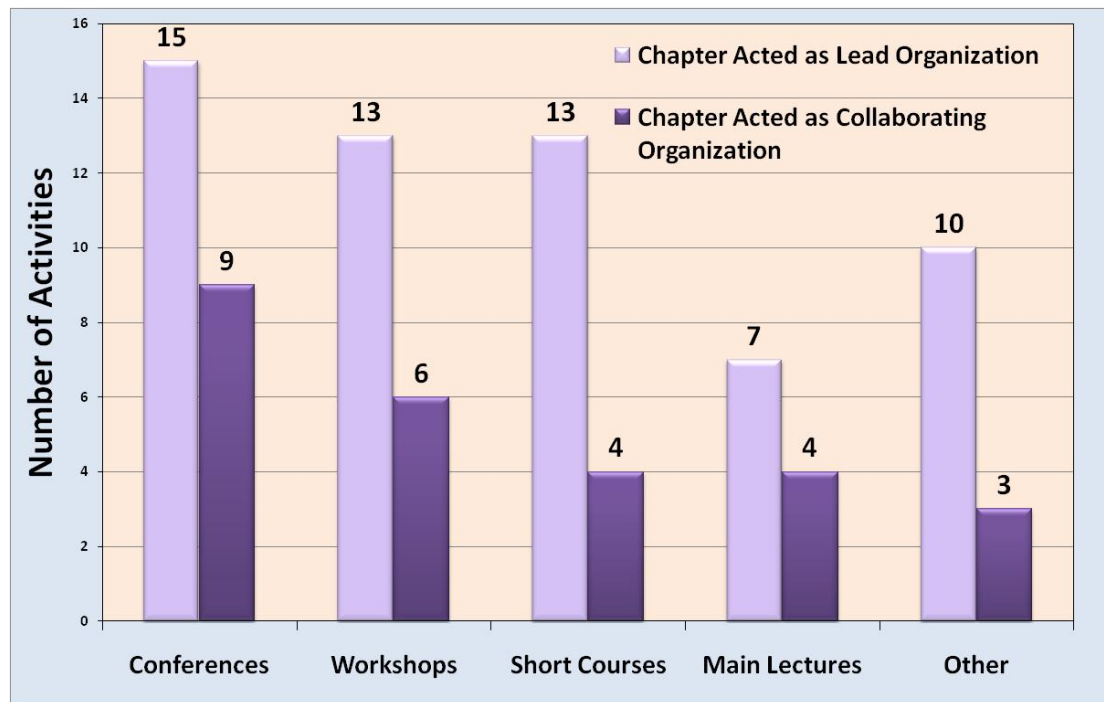


Figure 1: Number of technical activities carried out by IGS chapters in 2009

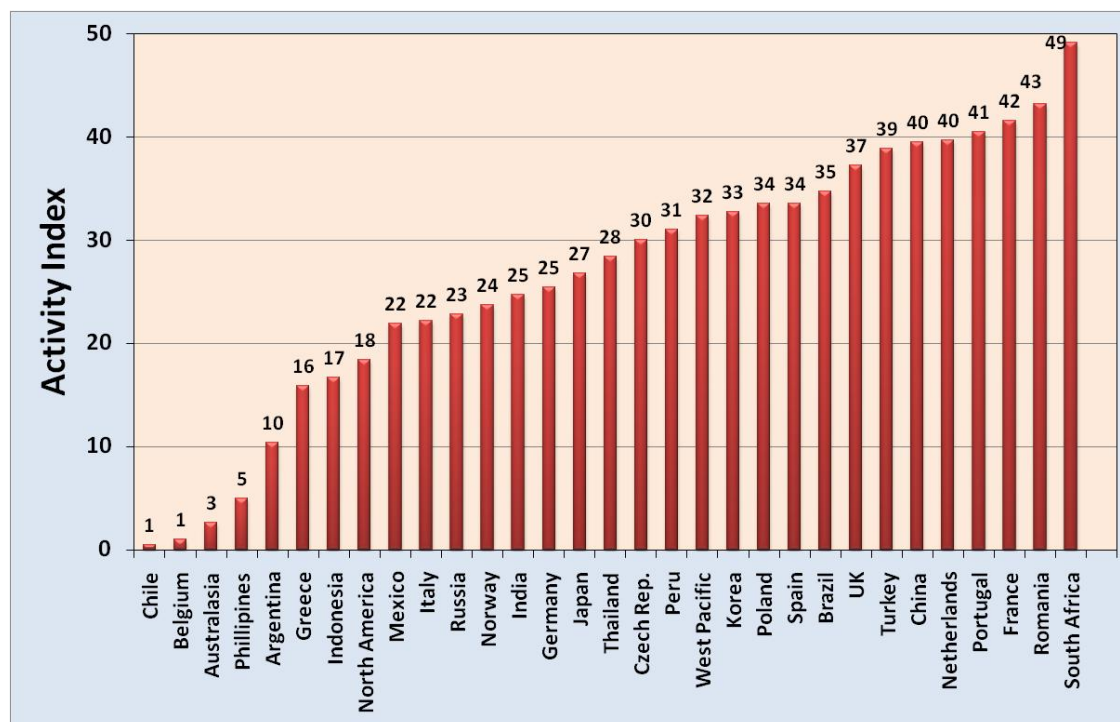


Figure 2: "Activity Index" conducted by each IGS chapter in 2009

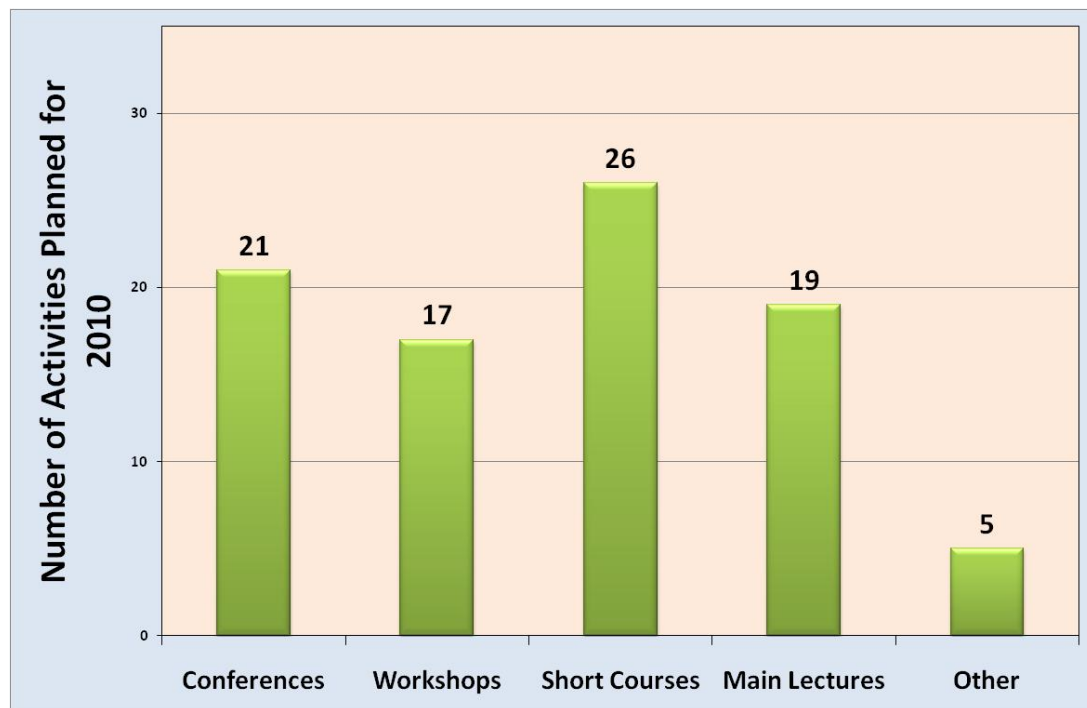


Figure 3: Number of technical activities planned by IGS chapters for 2010

Notes from the Secretary's Office

IGS Council Meeting Update



Secretary:
Elizabeth
Peggs (USA)

The IGS Council met in Dallas 11-13 March 2011 just prior to the Geo-Frontiers Conference. Following our traditional meeting format, the IGS Officers met on Friday the 11th with Council Plenary and Committee Meetings on Saturday and Closing Plenary meetings on Sunday. These meetings continue to be increasingly productive as the Council hones its structure and a working philosophy that emphasizes the development of and deliverables associated with the **Big Audacious Goals** set in Guarujá in 2010. Those goals have each committee focusing on increasing membership, increasing deliverables and improving communication both inside of committees as well as with the membership.

In an effort to capitalize on the large audience at Geo-Frontiers, each of the recently formed technical committees (TC Barriers, TC Filtration & TC Soil Stabilization) organized meetings during the conference. All meetings were well attended (TC Barriers exceeded 20 participants!) and productive.

A Committee Chairs meeting was also held on Tuesday 15 March over lunch. The purpose of this meeting was to coordinate the various efforts of the committees, ultimately to increase their productivity and the cooperation of committees while reducing the duplication of efforts. This meeting was determined to be valuable enough to warrant the creation of a standard Committee Chairs meeting, which will be held at breakfast on the Monday following each set of Council meetings.

For additional information regarding the activities of the IGS Council and Committees, please refer to their respective and specific reports and minutes.

IGS Council Meetings will be held twice during 2012—first in Lima in conjunction with GeoAmericas 2012, then (post mid-term election) in Bangkok in conjunction with GeoAsia 2012. The IGS Officers will also meet at Euro-Geo5 in Valencia.

IGS Office – New Address & Phone Number

In an effort to accommodate our changing needs, the IGS Office has been relocated. Effective 22 March 2011 the IGS has a new address and phone number, the fax and email information have remained the same.

Please update your records:

The International Geosynthetics Society
1934 Commerce Lane, Suite #4
Jupiter, FL 33458
USA

TEL: +1.561.768.9589 FAX: +1.561.828.7618 (did not change)

Congratulations to the Three Newly Formed IGS Chapters!

Finland, Pakistan and Slovakia each succeeded in meeting all of the necessary requirements for IGS Chapter creation. During the IGS Council Meetings in March 2011 in Dallas, each of the three chapters was formally approved by the IGS Council. The IGS now has 34 chapters, excitingly there are four additional chapters actively working toward formation. We are pleased to report that geosynthetics information is growing globally!

A Passing of the Treasurer's Torch

The IGS Council recently accepted the resignation of Treasurer John Cowland. John is an independent geosynthetics consultant based in Hong Kong and whose thriving business has been increasingly busy over the last year. John has served on the IGS Council since 2000. The IGS is fortunate to retain John as a council member for the duration of his term.

The IGS Officers and Council would like to wish John a well deserved and resounding thank you for his service to the IGS, and we congratulate him on the growth of his business!

We are simultaneously very fortunate to have a new treasurer – Peter Legg, current council member and member of GIGSA (South African chapter of the IGS) as our new Treasurer. Peter was unanimously elected by the IGS Council in Dallas. Peter is a long-standing IGS and GIGSA member and a consulting engineer. He served as the Chairman of the very successful *GeoAfrica 2009 – the 1st African Regional Conference on Geosynthetics*.

2012 a Year of Regional Conferences and Multiple IGS Activities

In 2012, the IGS will see three Regional Conferences take place:

GeoAmericas 2012 – Lima, Peru – 2 - 6 May 2012

Call for abstracts open through 31 May 2011, details at: GeoAmericas2012.com

EuroGeo 5 – Valencia, Spain – 16 - 19 September 2012

Call for abstracts open 1 June 2011 – 31 October 2011, details at: EuroGeo5.org

GeoAsia 2012 – Bangkok, Thailand - 10 - 14 December 2012

Call for abstracts open through 31 May 2011, details at: set.ait.ac.th/acsig/GA2012

In concert with these conferences, a number of IGS activities will take place. Please take the time to consider participating in, or nominating other members in respect to the following activities.

Call for IGS Student Paper Awards – each of the IGS Chapters is eligible to run a student paper competition. The winner of the student paper competition from each chapter is entitled to US\$1,000 of financial assistance toward attendance at a corresponding regional conference. Each regional conference will host a special student paper session in which all chapter winners (for that region) will present their papers. **Please consult your chapter for dates and deadlines.**

Call for IGS Service Awards – Each of the IGS Chapters is eligible to nominate an IGS Service Award winner. This award is intended to recognize IGS Chapter Members who have provided exemplary service to the IGS through work with their chapter. Please contact the IGS Secretary for criteria and details regarding this award. **All submissions will be required by 2 January 2012.** Awards will be presented at the corresponding regional conferences.

The 2nd IGS Photo Contest is now open to submissions! The 1st IGS Photo Contest, held prior to the 9th ICG, was a phenomenal success both from the submission and publication standpoint. We received in excess of 100 photos which were truly outstanding. The winning photos and many of the runners up have been used in various ways, including: in the publication in books, in various PowerPoint presentations, as part of the IGS booth and on the IGS website. Each time the photos are used, the submitter is properly credited. If you would like to submit a photo (up to 5 per IGS Member), please go to: geosyntheticssociety.org/PhotoUpload.aspx

Submission deadline is 1 February 2012 – please do not expect this deadline to be extended. Photo Contest Winners will be acknowledged at each of the regional conferences.

IGS Mid-Term Election – 8 Council seats will become available in 2012.

The 2012 election preliminary schedule will be as follows:

- Call for nominations, November 2011 IGS News
- Close nominations, 20 February 2012
- Presentation of candidates, March 2012 IGS News
- Election, 15 April to 15 May 2012

New Council Members will begin their terms at *GeoAsia* in December of 2012.

IGS Technical Committee on Barrier Systems (TC-B) has two very interesting Task Force projects – both of which will succeed with the cooperation of IGS membership!

Regulations – The group seeks to create a database of regulations governing the selection and implementation of geosynthetic materials around the world. They are asking IGS Members (and others) to forward information regarding their local and regional regulations to Committee Co-Chair Kent von Maubeuge.

Please consider participating. [To learn more, read the complete request on the IGS website.](#)

Field Performance Study - The focus of this project is to gather solely field based information on what is being or has been investigated. The TC-B is interested, for example, in collecting information on the size and scope of field studies using lysimeters, forensic studies, testing of exhumed materials and any other applications in which research and publication of that information may advance the industry. The TC-B is therefore requesting contributions in the form of information by the IGS Membership and its colleagues.

Please consider participating. [To learn more, read the complete request on the IGS website](#)

Reported by

Elizabeth Peggs, IGS Secretary

Updated Operating Units of the IGS Council

A slightly revised structure of Operating Units was approved by the IGS Council in its recent meeting of 13 March 2011. As expected, no changes were made to the previous structure of Council Committees. On the other hand, Standard Task Forces are expected to be revised on a yearly as they involve a small number of members who will meet with the objective of implementing specific council decisions. Figure 1 shows the current structure of the Council Committees, Council Task Forces and Technical Committees of the IGS Council. The chairpersons selected to lead each one of these Operating Units are shown in parenthesis in the figure. The group of Committee Chairs form an Operating Unit on its own that meets regularly in order to facilitate implementation of activities that bridge across multiple committees.

Reported by

Jorge G. Zornberg, IGS President

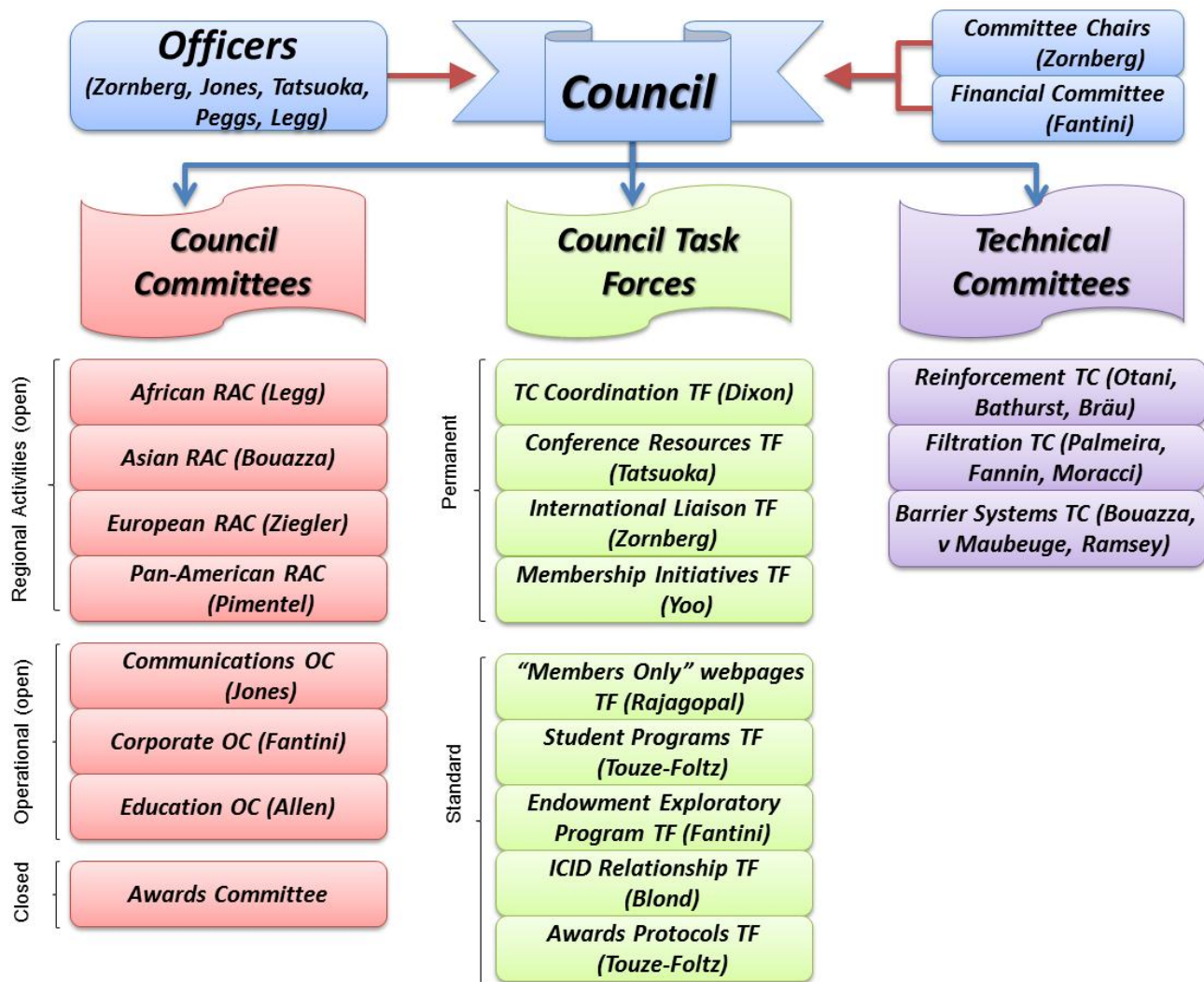


Figure 1: Current Structure (2011) of the Council Committees, Council Task Forces and Technical Committees of the IGS Council. Chairpersons of the various IGS Operating Units are shown in parenthesis.

Conference Reports

6th International Congress on Environmental Geotechnics November 8 - 12, 2010, New Delhi, India

6ICEG was awarded to the Indian Geotechnical Society in October 2007 at the ISSMGE Council Meeting at Brisbane. A 15-member *Organizing Committee* planned and executed the activities with the guidance and help from the *Congress Advisory Committee* (headed by President ISSMGE), *Environmental Geotechnics TC5*, a *National Advisory Committee* and a *Technical Committee* of the Congress. The website www.6iceg.org was launched in the second half of 2008. Abstracts were received till August 2009 and final papers till June 2010.

6ICEG was held in New Delhi, in India from 8th to 12th November 2010 with the final day being reserved for site visits. The theme of the Congress was *Environmental Geotech-*



Plenary session at 6ICEG

tics for Sustainable Development. 304 abstracts were received from 40 countries. 253 papers were finally accepted (69 from India) and published in a 1800 page proceedings (2 Volumes + CD) along with 22 invited papers (including Mercer lecture). The Congress attracted 328 delegates from 31 countries of which 88 were from India. The largest numbers of overseas participants were from Japan, USA and UK. 161 papers (from amongst 253) were presented in person in 14 parallel sessions. 18 invited lectures (from amongst 22) were presented in person and one by video mode in 8 plenary sessions. An exhibition was organized in which 28 exhibitors displayed their products and services at 32 stalls and also made presentations in a dedicated 100-minute Industry Session.

There was "A Young Geoenvironmental Engineers Debate" which focused on Career Challenges and a panel discussion on R&D collaborations which deliberated on Opportunities for Research Partnerships. A special session was held as a mark of the ISSMGE 75th Anniversary celebration which dwelled into the past, the present and the future.

On 12th November, 60 delegates undertook a site visit to the 45 meter high Okhla landfill and the 20 meter high Badarpur Ash pond. Beside these knowledge sharing sessions and evening events, a companions program and a fun counter were arranged to showcase the rich culture and heritage of India and also to create a festive mood among the delegates from all round the world. Evening events comprised of a cultural program featuring dances of India and Bollywood followed by a welcome banquet (with a band in attendance) on 8th November; a visit to the Red Fort and its sound & light show on 9th November; and a reception on 10th November in the form of a mela (rural fair with juggler show, puppetry, clay pottery, bangle making on display). The companions program comprised of 6 visits - to Dilli Haat, Humayun's Tomb, National Museum, Cottage Emporium, Qutub Minar, Akshardham Temple - and demonstration of Saree Tying, Rangoli, Mehendi etc. The Fun Counter provided elephant rides, camel rides, autorickshaw rides, cycle rickshaw rides, yoga session, meditation session and laughter session to interested delegates.



Dances of India and Bollywood

Reported by
Manoj Datta, PEC University of Technology, India

GEOSYNTHETICS Middle East 2010, Abu Dhabi 3rd International Conference



Under the patronage of Municipality of Abu Dhabi City, the 3rd International Conference "[Geosynthetics Middle East 2010](#)" took place in the capital city of the United Arab Emirates, Abu Dhabi, on 9th and 10th of November 2010. Organized by the German Plastics Institute SKZ in cooperation with

its local partner BMC Gulf, the conference has become the leading event on Geosynthetics in the Middle East and attracted more than 300 industry experts worldwide.

Abdullah Al Shamsi, Acting Executive Director of Infrastructure and Municipal Infrastructure Sector, described the conference as a highly attractive platform for geotechnical and environmental specialists to exchange their knowledge and experience. He said: "Geosynthetic materials are used in nearly every construction project and are significant for the performance of a structure. We are always looking for the best technology according to the highest engineering standards. We strongly believe that the Geosynthetics Middle East 2010 will



Keynote by Eng Abdulla Al Shamsi Municipality of Abu Dhabi

contribute to the quality of the construction projects throughout the UAE, increasing their value and considerably extending their service life."



Conference Speakers at GEOSYNTHETICS Middle East 2010

Reda Ashkar, Conference Chairman and General Manager at BMC Gulf, said "This year's Geosynthetics Middle East Conference, the biggest Geosynthetics event in the Middle East, witnesses presentations and case studies on topics related to environmental protection, water reservoirs, dam construction, tunnelling, roads, landfills and marine structures, to an international audience in the presence of industry experts".

The 4th International Conference Geosynthetics Middle East is scheduled for the Fall 2011. The exact dates will be announced shortly.

More information about the conference is available on the conference website www.geosyntheticsme.com

*Reported by
Helmut Zanzinger, SKZ and Member of IGS*

International Symposium and Exhibition on Geotechnical and Geosynthetics Engineering: Challenges and Opportunities on Climate Change and One-Day Short Course on Geosynthetics Applications and Case Histories

07 - 09 December 2010, Sofitel Centara Grand Bangkok, Thailand



The International Symposium and Exhibition on Geotechnical and Geosynthetics Engineering:

Challenges and Opportunities on Climate Change was successfully held at Sofitel Centara Grand Hotel in Bangkok, Thailand last 07 to 08 December 2010.

The Symposium covered a wide range of topics that include Geotechnical/Geosynthetics Engineering for Riverbank and Coastal Erosions, Sustainable Methods including Limited Life Geosynthetics (LLGs), Geosynthetics for Mitigations of Geo-Disasters, Case Histories on Slope Failures and Mitigations, and other



Symposium Opening Ceremony: (from left to right) Prof. Said Irandoust, Dr. Aneel Kumar, Prof. Dennes T. Bergado, Prof. Abdulmalek Bouazza, Dr. Teik Aun Ooi, Dr. Apiniti Jotisankasa, and Prof. Suksun Horpibulsuk

topics on Geosynthetics Applications. The Symposium was organized by Prof. Dennes T. Bergado, President of International Geosynthetics Society – Thailand Chapter (IGS-Thailand), and Director of Asian Center for Soil Improvement and Geosynthetics (ACSIG). The program was officially opened by Prof. Said Irandoust, President of Asian Institute of Technology (AIT), together with Dr. Teik Aun Ooi, President of Southeast Asian Geotechnical Society (SEAGS); Prof. Abdulmalek Bouazza, Chairman of Asian Activities Committee (AAC) of IGS; Dr. Apiniti Jotisankasa, Secretary of Geotechnical Sub-Committee of Thailand Geotechnical Society (TGS); and, Prof. Suksun Horpibulsuk, Professor at Suranaree University of Technology.

The objective of the Symposium was to gather academics, practitioners, partners, and stakeholders to discuss emergency and urgent issues related to climate change as well as the innovative mitigation measures in the context of geotechnical and geosynthetics engineering.

The Symposium was soundly attended by an astounding number of participants amounting to 115 guests, speakers, session chairs, sponsors and exhibitors from countries including Australia, Cambodia, Finland, France, Germany, Hong Kong, India, Indonesia, Iran, Japan, Korea, Laos, Malaysia, Pakistan, Philippines, Singapore, Sri Lanka, Taiwan, Thailand, U.S.A., and Vietnam.



Opening of International Technical Exhibition (Ribbon-Cutting Ceremony) led by (from left to right) Prof. Abdulmalek Bouazza, Prof. Dennes T. Bergado and Dr. Teik Aun Ooi

The Special Speakers included Dr. Teik Aun Ooi from TAO Consult Sdn. Bhd., Malaysia; Prof. Dr.-Ing. Georg Heerten of NAUE GmbH and Co. KG., Germany; and, Dr. Pichit Jamnongpipatkul, former Chief Engineer of the Department of Highways, Thailand.

The Keynote Speakers included Prof. H. Y. Jeon of Inha University, Korea; Prof. S. Iai of Kyoto University, Japan; Prof. J. Kuwano of Saitama University, Japan; Prof. C. Yoo of Sungkyunkwan University, Korea; Prof. J. Chu of Nanyang Technological University, Singapore; Prof. J. Chai of Saga University, Japan; and, Prof. S. Horpibulsuk of Suranaree University of Technology, Thailand. The Invited Speakers included Prof. K. Rajagopal of Indian Institute of Technology Madras, India;

Mr. Eng Choy Lee of Emas Kiara Sdn. Bhd., Malaysia; Prof. Hemanta Hazarika of Kyushu University, Japan; Prof. San-Shyan Lin of National Taiwan Ocean University, Taiwan; Prof. K. Muraleetharan of Oklahoma University, U.S.A., and many others.

The Symposium Proceedings is comprised of 41 papers with a total of 456 pages. Moreover, a total of 17 international and local companies sponsored this event including 13 exhibitors.

Following the International Symposium and Exhibition, a One-Day Short Course on Geosynthetics Applications and Case Histories was held at Sofitel Centara Grand Hotel in Bangkok, Thailand on 09 December 2010. The Resource

Speakers included Prof. Han-Yong Jeon of Inha University, Korea; Prof. Chungsik Yoo of Sungkyunkwan University, Korea; Dr. Yip Poon Lai of Anchorsol Wall Sdn. Bhd., Malaysia; Prof. K. Rajagopal of Indian Institute of Technology Madras, India; Prof. Jin-Chun Chai of Saga University, Japan; Prof. Jian Chu of Nanyang Technological University, Singapore; Prof. Suksun Horpibulsuk of Suranaree University of Technology, Dr. Montri Dechasakulsom of the Department of Highways, Dr. Panich Voottipruex of King Mongkut's University of Technology North Bangkok, and, Dr. Warat Kongkitkul and Dr. Sompote Youwai of King Mongkut's University of Technology Thonburi, Thailand. Prof. Abdulmalek Bouazza of Monash University and Chair of AAC of



Short Course Opening Ceremony: (from left to right) Prof. Jian Chu, Dr. Yip Poon Lai, Prof. Dennes T. Bergado, Prof. Abdulmalek Bouazza, Prof. K. Rajagopal, Prof. Han-Yeong Jeon, and Dr. Aneel Kumar.

IGS was the Guest of Honor. Dr. Pornpong Asavadorndeja of GMT Corporation served as Officer-in-Charge. Dr. Aneel Kumar, Associate Professor from Mehran University of Engineering and Technology, Pakistan, presided these three programs as Master of Ceremonies (MC). There were 48 registered participants in the Short Course.

*Reported by
Dennes Bergado, President of IGS Thai Chapter*

2010 Symposium of Ecological Technology and Carbon Footprint Reduction Integration for Geosynthetics Applications in Sustainable Infrastructure

17 December 2010, Taichung, Taiwan



**West Pacific Chapter
CHINESE
GEOSYNTHETICS
ASSOCIATION**

In order to respond to the extreme climate led by global warming, the West Pacific Chapter (WPC) of IGS, under the auspices of the Chinese Geosynthetic Association (CGA), convened “2010 Symposium of Ecological Technology and Carbon Footprint Reduction Integration for Geosynthetics Applications in Sustainable Infrastructure” on 17 December 2010. The Chinese

Soil and Water Conservation Society and Gold-Joint Industry Co., Ltd. were also part of the co-organizations who hosted this symposium. Attendees for this symposium came from various organizations with the highest turnout came from the Soil and Water Conservation Bureau, Forestry Bureau and Highway Bureau under Central Government, local county governments and engineering consultants.

In 2009, Taiwan Government committed to invest at least NT\$ 500 billion (US\$ 15.6 billion at US\$1: NT\$32) in sustainable infrastructure program over the next four years. In Year 2011 & 2012, the program will target “green concept” including green technique, green material and green design. Citing the requirements of the program, the budget of green concept accommodated ecological technology and carbon footprint reduction to be over 10% for each project. The speakers were invited and organized by the former director of Water Resources Agency, former director general of Soil and Water Conservation Bureau under central government, university professors and experts of well-known engineering consultant in geosynthetics application.

In addition to the plenary sessions, each course at the symposium brought positive discussions keyed to the entire spectrum of the profession.

Two topics particular were interested by the attendees.

- Green Concept Plan issued by Taiwan Central Government in 2009
- Current geosynthetics applications in Taiwan Island’s domestic market especially in the infrastructure projects.



The lecture, Dr. Shen-Hsien Chen, Executive Officer of Sinotech Engineering Consultant



In the first row of seat (left to right):
Dr. Su-Chin Chen, Director of Chinese Soil and Water Conservation Society (CSWCS); Dr. Leang, Yueh, Director General of WPC & CGA; Frank Wang, Chairman of Gold-Joint Industry Co., Ltd.; Dr. Nan-Shan Chou, Director of CGA; Dr. Hui-Long Wu, Honorary Director General of CSWCS; Mr. Xian-The Yang, Director of CGA



Time of coffee break



Question raised by Mr. Yang, Director of Highway Bureau in Southern Sector



Panel Discussion



Organizers of West Pacific Chapter

As the sessions wind down, the exhibit hall was filled with attendees networking each other. In comparison with conventional material such as reinforcement and concrete, learning about the green material and ecological techniques in geosynthetics sparked interests for their future projects. Panel discussion took place following completion at the featured lecture. Questions for the panel centered around localization in Taiwan for design criteria / construction specifications of geosynthetics and how to obtain certification of green material for geosynthetics from governments in order to follow the trend of green concept worldwide in the future.

WPC of CGA would like to thank the all participants who attended the symposium. Their contributions helped ensure the quality of this event. The success of the symposium was celebrated by everyone, from the attendees to the organizers, and the event concluded by leaving everybody with anticipation for the events to be held by WPC of CGA in the future.

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

German Geosynthetics Conference FS-KGEO 2011 03 March 2011, Munich, Germany

The German special section of the German Geotechnical Society (DGGT) and the German IGS Chapter organized FS-KGEO 2011, the 12th national conference on geosynthetics, on 3 March 2011 at the Technical University of Munich.

After opening the conference by Prof. Martin Ziegler the chairman of the German IGS chapter, Dr. Daniele Cazzuffi presented parts of his keynote lecture at the 9th International Conference on Geosynthetics with the title "Geomembranes in dams: the first 50 years of world-wide applications".

In the further presentations of the conference the topics sealing, site reports, steep slopes and actual research results were presented. The abstracts of the papers (in German and English) will be placed on the webpage of the chapter as well as some photos of the event:

<http://www.gb.bv.tum.de/fskgeo>

The full text of the presentations will be published in proceedings available later in 2011. The availability will be announced on the webpage also.

For the conference the 200 german speaking attendees came, besides Germany, from Austria, Switzerland, the Netherlands, Czech Republic, Italy and Turkey.

Embedded in the conference program was the membership meeting of the special section FS-KGEO and the German IGS Chapter. Prof. Ziegler showed the main events of the passed period, presented the actual tasks of IGS and the status of the preparations for 10th ICG in Berlin 2014.



Daniele Cazzuffi giving his keynote lecture on "Geomembrane in Dams"

The German IGS Chapter congratulates Howard Murray to his 65th birthday

This was followed by reports of the heads of the associated working groups. The activities reports are presented at the following web address:

(<http://www.gb.bv.tum.de/fskgeo/index.php/arbeitskreise.html>)

The FS-KGEO 2011 conference was accompanied by a technical exhibition in the hall in front of the lecture room. The geosynthetics and geotechnical exhibitors confirmed a good response, also due to the direct connection to the "Geotechnik-Tag 2011" - a geotechnical conference of Prof.



Reporters at the membership assembly at FS-KGEO 2011 (left to right): Gerhard Bräu (Working Group AK 5.2), Wim Voskamp (IVG German Geosynthetics Industry Association), Fokke Saathoff (Working Group AK 5.1), Martin Ziegler (Chairman of German IGS Chapter), Georg Heerten (Chairman of German Geotechnical Society, DGGT)

Vogt, the head of "TU München - Zentrum Geotechnik" with about 500 participants.

*Reported by
Martin Ziegler, Chairman of German IGS Chapter and IGS Council member*



The German IGS Chapter congratulates Howard Murray to his 65th birthday

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 Geosynthetic 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. The conference and exhibit will be held at the new Westin Lima Hotel & Convention Center. The hotel's construction will be complete in May of 2011, reservation links will be posted on the conference web site shortly thereafter. 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: 31 May 2011

Language

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

For more information

More information will be available in the congress web site may be found in www.igsperu.org

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 EuroGeo05 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 communications will be presented in English.

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.

Important Dates

- Opening date for abstracts submission: 30 June 2011
- 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 International Geosynthetics Society-Thailand Chapter (IGS-Thailand), under the auspices of International Geosynthetics Society (IGS), organizes the *Fifth Asian Regional Conference on Geosynthetics* or *Geosynthetics Asia 2012*, which is scheduled from 10 to 14 December 2012 at Grand Centara Convention Hotel, Bangkok, Thailand. GA2012 will be hosted by the Asian Center for Soil Improvement and Geosynthetics (ACSIG) in the Geotechnical and Geoenvironmental Engineering Pro-

gram (GGE) 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 to Climate Change".

The effect of climate change including global warming is not only limited to causing landslide disasters but also in increasing the frequency of a variety of natural disasters. The intergovernmental panel on climate change (IPCC) reported that residences of many more millions of people are projected to be flooded every year through the 2080s because of rising sea level. Among those at risk are lowlying and densely populated areas. Moreover, recent news items have identified that insurance companies are blaming bad weather slashing down their profit forecasts by millions of dollars. Consequently, the insurance companies have been forced to raise the insurance premium to recoup their losses.

The objective of GA2012 is to bring together geosynthetic researchers, consultants, owners, manufacturers, distributors, project regulators, contractors, and academics in order to share their knowledge, update information, create advance technologies, and discuss recent developments.

Keynote and theme lectures will be presented by world famous authorities in geosynthetics. Invited lectures will be delivered by IGS Chapters and IGS Council Members. Technical visits to major geotechnical/geosynthetics projects will be organized.

Call for Abstracts

Abstracts on the following themes are particularly welcome:

- Geosynthetics for Climate Change Due to Global Warming
- Sustainable Infrastructure Including Limited Life Geosynthetics (LLGS)
- Geosynthetics for Human Security
- Geosynthetics for Food and Agriculture
- Geosynthetics for Water Conservation
- Geosynthetics for Leisure Activities
- Geosynthetics for Futuristic Innovations
- Geosynthetics for Waste Disposal
- Geosynthetics for Coastal and Riverbank Erosions
- Case Histories from IGS Chapters
- Other Themes Related to Geosynthetics Engineering

Language

The official language of this conference will be English.

Important Dates

- Deadline for Abstract Submission: 31 May 2011
- Deadline for Paper Submission: 30 September 2011
- Deadline for Author Registration: 30 June 2012
- Deadline for Early Bird Registration: 30 June 2012

For more information

More information may be found in www.set.ait.ac.th/acsig/conference

Contact E-mail: bergado@ait.ac.th or acsig@ait.ac.th

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 Geosynthetic Society (IGS) and the Southeast Asian Geotechnical Society.

The Conference will be held at the Innovation Campus of University of Wollongong, Australia, from 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
- Geosynthetic 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

Colin Jones, Alan McGown & Bob Warwick awarded honorary membership



Colin Jones (left) and Bob Warwick (right) receive honorary membership of the UK IGS Chapter by Neil Dixon (Chairman of UK IGS Chapter)

Colin Jones & Bob Warwick were presented with honorary membership of the UK Chapter by Professor Neil Dixon, Chapter Chairman, at the recent AGM held at The Geological Society in London. Alan McGown had been unable to attend due to illness. All three recipients have been geosynthetic champions since the mid-70s & they were all instrumental in the formation of the UK Chapter. The awards reflect their contribution to the acceptance of geosynthetics in today's construction industry.

*Reported by
Peter Langley, IGS News Correspondent of IGS UK Chapter*

Geo-Frontiers 2011 North American Geosynthetics Society Sponsored Student Paper Competition Winners

At the recent Geo-Frontiers 2011 Conference in Dallas, TX, USA, the North America Geosynthetics Society sponsored its biennial conference student paper competition. The competition consisted of two parts. The student authors were judged on their written paper and their oral presentation at the Conference. The combined score of the written paper and the oral presentation determined the winning paper and first two runners up. This year seven papers in all were presented in the competition. The winning student author was Ms. Azadeh Hoor from Queen's University for her paper, "Application of Thermal Insulation in Landfill Liners." the 1st runner up was Mr. Ben Leshchinsky of Columbia University for his paper titled "Enhancing Ballast Performance Using Geocell Confinement." The 2nd runner up was Ms. Carmen Franks of University of Maryland for her paper titled "Geosynthetic Filters for Water Quality Improvement" Each of the three students received a cash award for their respective papers and presentations.



Pictured L to R: Ben Leshchinsky, 1st runner-up; David Suits, Executive Director, NAGS; Azadeh Hoor, winning author



Carmen Franks, 2nd runner-up (unavailable for the group photo)

The North American Geosynthetics Society congratulates Azadeh, Ben and Carmen, as well as all of the students that participated in this year's student competition.

Reported by

David Suit, IGS News correspondent of North American Geosynthetics Society

Gerhard Bräu Received EMS-Award



From left to right: Dipl.-Ing. Homölle (Propex Fabrics), Mr. Rudolf-Wittrin (CENO Membrane Technology GmbH), Prof. Dr.-Ing. Müller-Rochholz (University of Applied Sciences Münster), Dipl.-Ing. Bräu who received the EMS-Award 2011, Mr. Kroth (Tensar International GmbH), Mr. Munning (KSK Steinfurt), Dr. Giese and Dr. Wilmers

On 2 March 2011 in the KIWA tBU, Greven, Gerhard Bräu received the "EMS" award from Prof. Müller-Rochholz, head of tBU. The award is founded by the "Fundraising Group of tBU e.V". endowed with 2500 EUR. With the award works and activities in development ("E" for the German word: "Entwicklung"), material innovation ("M") and security ("S") in the field of textile constructions and environmental engineering are honoured.

After Dr. Wilmers as the first laureate Gerhard Bräu was honoured for around 25 years of research on the use of geosynthetics in geotechnical structures (especially roads and railroads). This research was the basis of German rules for the robustness of geosynthetics. Damage during Installation was simulated in widespread research programs.

Parallel to the scientific work he organises the biannual meetings of the section "synthetics in geotechnics" of the German Geotechnical Society since more than 20 years. In 2010 Gerhard Bräu finished the editorial work on the new "EBGEO", which fixes the state of the art of calculations and design of structures with geosynthetics. This huge work will be translated into English language to disseminate this helpful work to international geosynthetic experts. Last but not least he will organise the 10th International IGS Conference at Berlin in 2014.

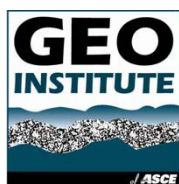
The merits of Gerhard Bräu were shown in a laudation of Dr. Wilhelm Wilmers. A synopsis of his 25 years with geosynthetics was given by Dr. Wilmers himself.

All speakers and attendees of the ceremony expressed to Gerhard Bräu their thanks and recognition and wished power and success for another 15 years of work in the geosynthetic society.

Reported by

Jochen Müller-Rochholz, Professor at UAS Münster and managing director of KIWA tBU

Sound Geotechnical Research to Practice Geotechnical Special Publication Honoring the Contributions of Robert D. Holtz



For more than 45 years Professor Bob Holtz, P.E., D.GE., Dist. M. ASCE, has made distinguished contributions to the assessment of fundamental soil behavior, soft ground construction and improvement, geosynthetic and steel reinforced soils, and geotechnical engineering education. Through his tenure at Purdue University and the University of Washington, Dr. Holtz has made a national and international impact through service in professional organizations such as ASCE, ASFE, ASTM, IGS, Geo- Institute, and TRB, as well as numerous other institutions (e.g., the

Swedish Geotechnical Institute, various consulting firms, and contractors). Dr. Holtz has also made a significant impact to the professional community in the Puget Sound region, helping build the connection between industry and the University of Washington.

Sound Geotechnical Research to Practice will comprise a collection of papers honoring the contribution of Robert D. Holtz in geotechnical research and practice. It will be edited by Armin W. Stuedlein and Barry R. Christopher in cooperation with the ASCE Seattle Section Geotechnical Group. This volume will contain select papers by Bob Holtz, including his **2010 Terzaghi Lecture**, papers presented in honor of Bob Holtz at the 2007 Spring Seminar hosted by the ASCE Seattle Section Geotechnical Group, and other invited and solicited papers by professors, researchers, practicing geotechnical engineers, and contractors. Selected papers will be presented with release of the *Proceedings* at **GeoCongress 2013**.

Abstracts due May 8, 2011. For more information and abstract submission, navigate to:

http://web.engr.oregonstate.edu/~armin/index_files/HoltzGSP

News from GIGSA



GIGSA has new chairmen and committees for the period 2011/2012:

- Anton Bain (Jones & Wagener) – President
- Riva Nortjé (Jones & Wagener) – Vice President
- Garth James (Kaytech) – Past President
- Mike Wittmann (Aquatana) – Treasurer
- Joanne Smit (Engineered linings) - Secretary
- Peter Legg (Peter Legg Consulting) – Events (IGS Council Member)
- Irene Nyirenda (Golder Associates) – Education
- Peter Davies (Kaytech) – Newsletter and IGS News Correspondent
- Edoardo Zannoni (Maccaferri) – Specifications Portfolio Chair
- Colin Gewanlal (Kaytech) – Website
- Colin de Bruyn (Gundle Geosynthetics) – Marketing
- Rod Claus (Fibertex) – Specifications

GIGSA aims to continue the high level of activities of the last years by hosting at least one major event per year. Prof. Kerry Rowe of Queens University, Canada will visit Southern Africa in September 2011 and will form the Anchor Presenter of a short course focused on geosynthetic design.

Another focal point for GIGSA will be the 15th African Regional Conference on Soil Mechanics and Foundation Engineering in Mozambique in July 2011. The intention is to host a full day introductory training course on the use of geosynthetics for the wider African audience. More on this will follow in the GIGSA May Newsletter.

Reported by

*Peter Davies, IGS News Correspondent and
Anton Bain, President of GIGSA*

“GSI Fellowships for Students” Request for Proposals



The Geosynthetic Institute (GSI) is delighted to announce a worldwide call for requests-for-proposals (RFPs) focusing on innovative geosynthetics research and development projects. There will be multiple awards made, each for \$10,000 for the first year, and they are renewable for a second and third year up to a total amount of \$20,000 per student. It is important to note that students must have completed their candidacy examinations leading to a doctoral degree in engineering or science to be eligible. The proposals must be submitted in the following four page format (with no exceptions).

- Page 1 – Letter of recommendation from student’s department head or advisor
- Page 2 – Title and detailed abstract of project
- Page 3 – Student’s resume
- Page 4 – Documentation of completed candidacy examination

The RFPs for the 2011-2012 academic year must be submitted to both the undersigned by e-mail by June 30, 2011 and awards will be announced on, or before, August 1, 2011. Review of the proposals is by the nine-person Board of Directors of GSI. For information on the Geosynthetic Institute and past recipients, visit us at the following website: www.geosynthetic-institute.org/gsifellows.htm

Reported by

Robert M. Koerner, Jamie R. Koerner, IGS members

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 “**Geosynthetics 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.

Some important dates

Publication of bulletin №1:	April 2011
Application for participating in the conference:	15 September 2011
Paper submission:	1 July 2011
Publication of bulletin №2:	July 2011

More Information

For all further enquiries and information on paper submission, registration, etc. please contact: spsf@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

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 lectures 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 invited speakers are:

- Coastal and hydraulic engineering - Adam Bezuijen
- Environmental engineering - Madalena Barroso
- Soil reinforced structures - Neil Dixon
- Transportation engineering - Jörg Klompmaker

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.

Important dates

Submission of full papers: June 30, 2011

Acceptance of papers: July 31, 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

Abstract Submission:	15 May 2011
Abstract Notification:	5 June 2011
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

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

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



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: Prof. Mauricio Ehrlich
igsbrasil@igsbrasil.org.br
www.igsbrasil.org.br

Chile

Chilean Chapter (2006),
 President: Mr. Mauricio Ossa,
mossa@igs-chile.org
<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

France

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

Finland

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

Germany

German Chapter (1993)
 Chairman: Prof. Dr.-Ing. Martin Ziegler

service@dggt.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.associazionegeotecnica.it/~agi/

Japan

Japanese Chapter (1985)
 Chairman: Dr. Hiroshi Miki
secret@jciqs.org
wwwsoc.nii.ac.jp/jciqs/

Korea

KC-IGS, The Korean Chapter (1993)
 President: Prof. Eun-Chul Shin
kgss-adm@kgss.or.kr
www.kgss.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: Dr. David Elton
NagsDirector@aol.com
www.nags-igs.org

Norway

Norwegian Chapter of IGS (2008)
 Chairman: Arnstein Watn
Arnstein.watn@sintef.no

Pakistan

Pakistani Chapter of IGS (2011)
 President: Lt. Col (Retd) Muhammad Raza
colraza@syntechfibres.com

Peru

Peruvian Chapter (2001)
 President: Miguel De La Torre
gerencia@geoserviceing.com
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.gigsa.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

Conferences

Symposia

Workshops

Index 11
Geneva, Switzerland
12 - 15 April 2011
E-mail: index11@geneva-palexpo.ch
www.index11.org

7th International Symposium on Geotechnical Aspects of Underground Construction in Soft Ground
Roma, Italy
16 - 18 May 2011
E-mail: info@tc28-roma.org
www.tc28-roma.org

The 3rd International Conference on Geotechnical Engineering for Disaster Mitigation and Rehabilitation 2011 (GEDMAR2011) combined with The 5th International Conference on Geotechnical and Highway Engineering Semarang, Central Java, Indonesia
18 - 20 May 2011
E-mail: hpi_jateng@yahoo.com,
geocofina@yahoo.com
www.reliability.geoengineer.org/GEDMAR2011/

XIV Asian Regional Conference Soil Mechanics and Geotechnical Engineering
Hong Kong, China
23 - 27 May 2011
E-mail: 14arc.2011@polyu.edu.hk
www.cse.polyu.edu.hk/14arc

3rd International Symposium on Geotechnical Safety and Risk (ISGSR2011)
Munich, Germany
2 - 3 June 2011
E-mail: g.braeu@bv.tum.de
www.isgsr2011.de

XV African Regional Conference on Soil Mechanics and Geotechnical Engineering
Maputo, Mozambique
18 - 21 July 2011
E-mail: info@15arcsmg-maputo2011.com
www.15arcsmg-maputo2011.com

Fifth International Symposium on Deformation Characteristics of Geomaterials

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

ttateh@cycu.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

Calendar of Events

Short Courses

Expositions

Trade Shows

als (IS-Seoul 2011)
Seoul, Korea
31 August - 3 September 2011
E-mail: is-seoul@kaist.ac.kr
www.isseoul2011.org

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

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
www.wlf2.org

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

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

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

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

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

International Conference on Ground Improvement and Ground Control: Transport Infrastructure Development and Natural Hazards Mitigation
Wollongong, New SouthWales, Australia
30 October - 2 November 2012
E-mail: vinod@uow.edu.au

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

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

10th International Conference on 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:

Professor R.J. Bathurst, Editor *Geosynthetics International*
Department of Civil Engineering Royal Military College of
Canada

Dr. J.P. Giroud, Chair *Geosynthetics International*

J.P. Giroud, IC.

5837 North Ocean Boulevard Ocean Ridge, Florida

P.O. Box 17000, STN Forces Kingston, Ontario K7K 7B4, 33435, USA
Canada
Tel: 1/613 541 6000, Ext. 6479, Fax: 1/613 541 6218
E-mail: bathurst-r@rmc.ca
Tel: 1/561 737 1642, Fax: 1/561 733 2809
E-mail: jpg@jpgiroud.com

For subscription details visit the Journal's web site at:

www.thomastelford.com or contact:

Maria Davis

Thomas Telford Ltd

1 Heron Quay, London E14 4JD, UK

Tel: 44/20 7665 2460, Fax: 44/20 7538 9620

maria.davis@thomastelford.com

Best Geosynthetics International Papers for 2008 & 2009

Geosynthetics International is an official journal of the International Geosynthetics Society and serves the mandate of the society to disseminate important technical developments to its members.

We are delighted to announce the best papers in Volume 15 (2008) and Volume 16 (2009) based on votes cast by the Editorial Board Members. In this competition the Editor and Editorial Board Chairman did not vote. Technical notes and papers co-authored by the Editor were not eligible.

The "Best Geosynthetics International Paper for 2008" award goes to:

Lawson, C. R. (2008). Geotextile containment for hydraulic and environmental engineering. *Geosynthetics International*, 15, No. 6, 384–427.

The following paper was voted runner-up and thus receives honourable mention as "one of the best papers published in *Geosynthetics International* in 2008":

Rowe, R. K., Islam, M. Z. & Hsuan, Y. G. (2008). Leachate chemical composition effects on OIT depletion in an HDPE geomembrane. *Geosynthetics International*, 15, No. 2, 136–151.

The "Best Geosynthetics International Paper for 2009" award goes to:

Mohri, Y., Matsushima, K., Yamazaki, S., Lohani, T. N., Tatsuoka, F. & Tanaka, T. (2009). New direction for earth reinforcement: disaster prevention for earthfill dams. *Geosynthetics International*, 16, No. 4, 246–273.

The following paper was voted runner-up and thus receives honourable mention as "one of the best papers published in *Geosynthetics International* in 2009":

Tatsuoka, F., Hirakawa, D., Nojiri, M., Aizawa, H., Nishikiori, H., Soma, R., Tateyama, M. & Watanabe, K. (2009). A new type of integral bridge comprising geosynthetic-reinforced soil walls. *Geosynthetics International*, 16, No. 4, 301–326.

We thank the members of the Editorial Board for participating in the best paper selection process and congratulate the authors of these excellent papers. Each paper reflects the high standards of the Journal and is an important contribution to our geosynthetics discipline.

Geosynthetics International is published by Thomas Telford Ltd. All IGS members have free access to these papers.

Reported by

R.J. Bathurst, Editor

J.P. Giroud, Chairman of the Editorial Board

Content of Volume: 17, Issue: 6 (December 2010)

New analytical procedure for seismic analysis of reinforced retaining wall with cohesive-frictional backfill, pp. 364 – 379, A. Ghanbari; M. Ahmadabadi

Strength and small-strain modulus of lightweight geomaterials: cement-stabilised sand mixed with compressible expanded polystyrene beads, pp. 380 – 388, K. Onishi; Y. Tsukamoto; R. Saito; T. Chiyoda

Deformation response of shored MSE walls under surcharge loading in the centrifuge, pp. 389 – 402, Y.-B. Lee; H.-Y. Ko; J.S. McCartney

Geosynthetic strain gage installation procedures and alternative strain measurement methods for roadway applications, pp. 403 – 430, K.A. Warren; B. Christopher; I.L. Howard

Effect of deformation of prefabricated vertical drains on discharge capacity, pp. 431 – 442, H.H. Tran-Nguyen; T.B. Edil; J.A. Schneider

Contribution of hand-knotted coir netting to the bearing capacity of loose sand, pp. 443 – 449, P. Vinod; A.B. Bhaskar

Please find the download of the articles at:

<http://www.icevirtuallibrary.com/content/issue/gein/17/6>

Content of Volume: 18, Issue: 1 (February 2011)

Best Geosynthetics International Papers for 2008 and 2009, pp. 1 – 1, R.J. Bathurst; J.P. Giroud

Effect of short, randomly distributed polypropylene microfibres on shear strength behaviour of soils, pp. 2 – 11, I.M.C.F.G. Falorca; M.I.M. Pinto

Theoretical elastic solutions for foundations improved by geosynthetic-encased columns, pp. 12 – 20, Yiping Zhang; Tao Li; Yang Wang

Numerical modelling of surface strip footings resting on double-faced wrap-around vertical reinforced soil walls, pp. 21 – 34, S. Anubhav; P.K. Basudhar

Enhancement of efficiency of prefabricated vertical drains using surcharge, vacuum and heat preloading, pp. 35 – 47, S. Artidteang; D.T. Bergado; J. Saowapakpiboon; N. Teerachaikulpanich; A. Kumar

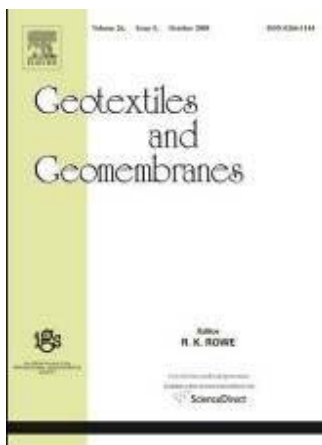
Performance of geocomposite and granular drains under irrigation canal linings, pp. 48 – 55, A.A. Khosravi; H. Rahimi; G.H. Eskandari

Characterisation of permeability to gas of geosynthetic clay liners in unsaturated conditions, pp. 56 – 56, M.J.A. Mendes; P. Pierson; N. Touze-Foltz; H. Mora; E.M. Palmeira

Please find the download of the articles at:

<http://www.icevirtuallibrary.com/content/issue/gein/18/1>

Geotextiles & Geomembranes



Geotextiles and Geomembranes is dedicated to the mission of the IGS, which is to promote the scientific and engineering development of geotextiles, geomembranes, related products, and associated technologies.

The Journal publishes technical papers, technical notes, discussions, and book reviews on all topics relating to geosynthetics, research, behaviour, performance analysis, testing, design, construction methods, case histories, and field experience.

Papers should be submitted electronically as a Microsoft Word or pdf file to: kerry@civil.queensu.ca

Please ensure the text is double spaced, there is an abstract with keywords included, and tables and figures are at the end following the text. Please check the Journal's instructions for authors for additional information regarding submissions. The Journal strives to provide the authors with quick, constructive reviews, and we appreciate the author's hard work in addressing these comments and quick return

of revised papers.

Geotextiles and Geomembranes is now available free in electronic format to IGS Members. To activate free access and to create your personal account, you will need your IGS Membership Number. If you do not know your Membership Number, please contact the IGS Secretariat at IGSSec@geosyntheticssociety.org

For instructions on how to activate access and create your personal account, go the web site provided below.

A hardcopy of *Geotextiles and Geomembranes* is available at a reduced subscription rate to individual and Corporate Members of the IGS. Individual IGS Members may subscribe at an 84% discount: US\$170 for six issues. IGS Corporate Members may subscribe at a 64% discount: US\$396 for six issues. Please indicate that you are an IGS Member when requesting the special price.

For editorial enquiries contact:

Dr. R. Kerry Rowe, Editor Geotextiles and Geomembranes
Dept. of Civil Engineering Ellis Hall, Queens University Kingston,
Ontario K7L 3N6 CANADA
Fax: 1/613 533 6934
E-mail: kerry@civil.queensu.ca

For more information on obtaining electronic and hard copy subscriptions to *Geotextiles and Geomembranes* please go to the following IGS web site: www.geosyntheticssociety.org/

For direct connection to the home page of the journal with the possibility to download PDF-files of the full papers (IGS members and abonents only) please follow the link at the end of the following content listing.

Content of Volume 29, Issue 1 (February 2011)

Reinforcement load and deformation mode of geosynthetic-reinforced soil walls subject to seismic loading during service life, Pages 1 - 16, Huabei Liu, Xiangyu Wang, Erxiang Song

Unsaturated soil–geotextile interface behavior, Pages 17 - 28, Charbel N. Khoury, Gerald A. Miller, Kianoosh Hatami

Geosynthetic-encased stone columns: Analytical calculation model, Pages 29 - 39, Boštjan Pulko, Bojan Majes, Janko Logar

Dynamic characterization of EPS geof foam, Pages 40 - 50, A. Ossa, M.P. Romo

Hydro-mechanical behavior of geogrid reinforced soil barriers of landfill cover systems, Pages 51 - 64, S. Rajesh, B.V.S. Viswanadham

Analysis of fluid discharge from a hanging geotextile bag, Pages 65 - 73, J. Richard Weggel, Jacob Dortch, Douglas Gaffney

PVD improvement combined with surcharge and vacuum preloading including simulations, Pages 74 - 82, J. Saowapakpiboon, D.T. Bergado, P. Voottipruex, L.G. Lam, K. Nakakuma

Please find the download of the articles at:

<http://www.sciencedirect.com/science/journal/02661144>

Corporate Membership

Corporate Members of the IGS (Sorted by COMPANY NAME)

ABG Limited

(United Kingdom, 2001)

Ace Geosynthetics

(Taiwan, R.O.C., 2003)

Agro Kunststofftechnik GmbH

(Austria, 1996)

Alpe Adria Textil

(Italy, 2002)

Alyaf Industrial Company Ltd

(Saudi Arabia, 2008)

Amanco Mexico, S.A. de C.V.

(Mexico, 2010)

Aqua Terra

(Republic of Panama, 2008)

Aquaterra Consulting Ltd.

(Hong-Kong, China, 2009)

Asahi Kasei Geotechnologies Co., Ltd.

(Japan, 1984)

Ashimori Industry Co., Ltd.

(Japan, 2003)

Association of RRR Construction System, The

(Japan, 1998)

Atarfil S.L.

(Spain, 1999)

AXTER COLETANCHE INC.

(Canada, 2009)

BASF Construction Chemicals España, S.A.

(Spain, 2000)

Beaulieu Technical Textiles

(Belgium, 1998)

Beijing Gaoneng Lining Engineering Co., Ltd.

(China (P.R.), 2006)

Belton Industries, Inc.

(USA, 1989)

BMC Gulf Trading & Contracting LLC

(United Arab Emirates, 2008)

Bonar Technical Fabrics N.V.

(Belgium, 1985)

Cetco

(USA, 1992)

Chidak Baspar

(Iran, 2008)

Cidelsa

(Peru, 2010)

Cofra BV

(The Netherlands, 1991)

Colas Group, The
(France, 1996)

Colbond bv.
(The Netherlands, 1986)

Copro
(Belgium, 2005)

Coripa S.A.
(Argentina, 2008)

CTH Geosynterer AS
(Norway, 2008)

Dinagrid Geosynthetics S.L.
(Spain, 2005)

Don & Low Ltd.
(United Kingdom, 2009)

Du Pont de Nemours (Luxembourg) S.A.
(Luxembourg, 1984)

EAST COAST EROSION BLANKETS
(USA, 2009)

Edilfloor SpA
(Italy, 2002)

Emas Kiara SDN BHD
(Malaysia, 1999)

Engepol Geossintéticos Ltda
(Brazil, 2001)

Euroizol Geosynthetics
(Ukraine, 2006)

F.L.I. Environmental
(Ireland, 2002)

Fibertex A/S
(Denmark, 1984)

Field Lining Services
(Republic of Panama, 1998)

Firestone Specialty Products Company LLC
(USA, 2010)

FITI Testing and Research Institute
(Korea, 1997)

Fontana International GMBH
(Austria, 2008)

Garware-Wall Ropes, Ltd.
(India, 2006)

GEOFABRICS AUSTRALASIAN PTY Ltd.
(Australia, 2009)

Geofabrics Ltd.
(United Kingdom, 1995)

Geofelt GmbH
(Austria, 1996)

Geosinteticos Trical, C.A.

(Venezuela, 2007)

Geosolutions Serviços em Geossintéticos Ltda.
(Brazil, 2006)

Geosynthetic Materials Association (GMA)
(USA, 1985)

Geosynthetics Technologies Co., Ltd.
(Saudi Arabia, 2007)

Geosystem Co. Ltd.
(Japan, 2000)

Geotech L.L.C.
(United Arab Emirates, 2007)

Geotexan
(Spain, 2009)

Geo-Tiptex Kft.
(Hungary, 2010)

Gidrokor Construction Company Ltd.
(Russia, 2004)

Golden Pow
(Korea, 2009)

Granite Environmental, Inc.
(USA, 2011)

GSE Lining Technology Chile S.A.
(Chile, 2006)

GSE Lining Technology GmbH
(Germany, 2004)

GSE Lining Technology, Inc.
(USA, 1988)

High Stiffness Polyethylene Pipes Association
(Japan, 2005)

Hojun Yoko Co. Ltd.
(Japan, 2000)

Huesker Synthetic GmbH & Co.
(Germany, 1987)

Hui Kwang Corporation
(Taiwan, R.O.C., 2000)

I-CORP INTERNATIONAL
(USA, 2006)

Igreengeo, Inc.
(Taiwan (R.O.C.), 2010)

Integrated Geotechnology Institute Limited
(Japan, 1998)

Intermas Nets S.A.
(Spain, 2008)

Isbir Sentetik Dokuma Sanayi A.S.
(Turkey, 2008)

Italdreni S.r.l. (formerly Green Vision)
(Italy, 2004)

Japan Spunbond -- Toray Corp.
(Japan, 1984)

JetSJ
(Portugal, 2010)

Kajima Corporation
(Japan, 1985)

Kaytech Engineered Fabrics
(South Africa, 2008)

Kuraray Co., Ltd.
(Japan, 1989)

Laborcontrol
(Spain, 2010)

Laviosa Chimica Mineraria
(Italy, 2002)

Maccaferri de Argentinan S.A.
(Argentina, 2010)

Maccaferri De Centroamerica
(Costa Rica, 2010)

Maccaferri de Mexico
(Mexico, 2010)

Maccaferri do Brasil Ltda
(Brazil, 1998)

Maeda Kosen Co. Ltd.
(Japan, 1992)

Manifattura Fontana S.p.A.
(Italy, 2008)

Mattex Geosynthetics
(United Arab Emirates, 2011)

Mekamore Co., Ltd
(Korea, 2008)

Mitsubishi Plastics, Inc.
(Japan, 1992)

Mitsui Chemicals Industrial Products, Inc.
(Japan, 1992)

Nanchang Teamgo New Materials Co.
(China (People's Republic), 2010)

Narvin Gostar Parsian Co.
(Iran, 2010)

National Coir Research & Management Institute (NCRMI)
(India, 2009)

NAUE GmbH & Co. KG
(Germany, 1987)

NewGrids Limited.
(United Kingdom, 2004)

Obayashi Corporation
(Japan, 1988)

Officine Maccaferri S.P.A.

(Italy, 1997)

OJSC “494 UNR”

(Russia, 2003)

Okasan Livic Co. Ltd.

(Japan, 1984)

Permathene, Ltd.

(New Zealand, 2003)

Poly Flex, Inc.

(USA, 1996)

Polytex S.A.

(Peru, 2010)

Presto Geosystems

(USA, 1996)

Propex

(USA, 1991)

PT Tetrasa Geosinindo

(Indonesia, 2010)

Punzonados Sabadell, S.A.

(Spain, 2000)

Ramalho Comercial Ltda

(Brazil, 2008)

Reinforced Earth Company, The

(USA, 1989)

Saenal Techtex

(Korea, 2009)

Samyang Corporation

(Korea, 2003)

Servicios de Ingenieria Geosintetica S.A. (SIGSA)

(Costa Rica, 2008)

Seven States Enterprise Co., Ltd.

(Taiwan R.O.C., 2005)

Shenzhen Sheng Yi Environmental Co., Ltd.

(China (P.R.), 2002)

Sohams Foundation Engineering Pvt. Ltd

(India, 2008)

Solmax International, Inc.

(Canada, 1997)

Sotrafa, S.A.

(Spain, 2009)

STEKLONiT Management, LLC

(Russia, 2011)

Supertex, Inc.

(USA, 2007)

Swiss Association for Geosynthetics SVG

(Switzerland, 1984)

Taiyo Kogyo Corporation (SUN)

(Japan, 1991)

Tanaka Co. Ltd.

(Japan, 1993)

TechFab India Industries Ltd.

(India, 2008)

Tecnologia de Materials S. A.

(Peru, 2010)

Teknindo Geosistem Unggul, PT

(Indonesia, 2009)

Tele Textiles AS

(Norway, 1995)

TeMa Technologies and Materials Srl

(Italy, 2006)

Tenax S.p.A.

(Italy, 1991)

TenCate Geosynthetics Europe GmbH

(Austria, 1984)

TenCate Geosynthetics North America

(USA, 1998)

Tenox Corporation

(Japan, 1998)

Tensor Geosynthetics (China) Ltd.

(China (P.R.), 2003)

Tensor International

(United Kingdom, 1989)

Tensor International Corporation

(USA, 1989)

Terram Ltd.

(United Kingdom, 1988)

Terre Armee International

(France, 2002)

Texinov

(France, 2007)

Texpolimer, CJSC

(Russia, 2010)

TMA, S.L.

(Spain, 2000)

Tokyo Ink Co., Ltd.

(Japan, 2005)

Tokyu Construction Co. Ltd.

(Japan, 1984)

TRI/Environmental Inc.

(USA, 2008)

Viganò Pavitex S.P.A.

(Italy, 2006)

Werkos

(Croatia, 1999)

Yixing Shenzhou Earth Working Material Co., Ltd.

(China (People's Republic), 2011)

Notes:

- [The corporate members are encouraged to check their entry there!](#)
- [Date is earliest year of continuous membership](#)

Hints for Easy Usage of This Document

To allow easy and most effective use of this IGS News we tried to incorporate as many links to further information on the internet as possible. This means that moving around with the mouse pointer in the PDF-file allows direct linkage to webpages of the conferences, documents of IGS, journals, email addresses and many other things.

Furtheron you can click on the page numbers at the “Content” on the front page to jump directly to the article.

Another useful tool is the “bookmark” function within your PDF-Reader. This functionality shows you on the left part of your screen the content with the headlines of the articles and on the right part the article itself.

If you have any further ideas to improve the usage of IGS News – please let us know!

Corporate Profile – GRANITE environmental, USA

IGS Corporate Members are encouraged to publish a Corporate Profile in IGS News. A maximum of three profiles can be published in each issue of IGS News. The criteria for the preparation and submission of Corporate Profiles are available from the Editor. There is no charge for having a Corporate Profile published; it is a benefit of corporate membership.



Product Solutions for a Cleaner World

Granite Environmental specializes in erosion and pollution control products and site specific solutions. We are a complete erosion pollution solution resource and are there to help you through all stages of your Erosion Pollution Project Cycle®:

-> Prevention -> Control -> Containment -> Recovery -> Disposal

Erosion Control



Whether you are tackling an eroding stream bank, beach, or driveway you are sure to find the perfect solution in our variety of woven geotextiles, non woven geotextiles, turf reinforcement mats, and coconut coir products. Acting as stabilizers and filters, vegetation can take root and grow.

Water Pollution



Need to stay in compliance with NPDES Regulations? We offer debris boom, oil boom, silt barriers, and dewatering bags. Ideal for containing debris, silt, and oil these tools act as containment barriers for proper and safe disposal keeping our waters clean and you in compliance.

Incineration



Looking for a viable solution for pollution and containment disposal? Both small scale and industrial incinerators can take waste management to the next level. Whether you are burning trash, medical waste, narcotics, or biological waste these units are efficient and economical.

Stormwater Management



Working hard to keep you in compliance while planning your SWPPP, we have a large selection of BMPs to protect against polluted stormwater runoff like drain covers, filters, gutter guards, spill berms, drain seal, grate guards, sumps, oil/debris blocker, and absorbent tarps.

Spill Clean Up



From small incidental spills to large scale spills, you are covered with our selection of absorbents, OPA 90 compliant oil boom, oil boom fence, recovery skimmers, and tar ball nets. Spills in any type of water or on land can be contained, cleaned, and disposed of to get on the road to recovery.

Containment



Containment of liquids, whether hazardous or non-hazardous, is made easy with onion tanks, frame tanks, bladders, basins, and berms. From emergency and first response use to rainwater harvesting and secondary containment, meeting your needs is our specialty.

PO Box 780928
Sebastian, FL 32978

www.GraniteEnvironmental.com
(+1) 772-646-0597

888-703-9889

Corporate Profile – MATTEX, USA

IGS Corporate Members are encouraged to publish a Corporate Profile in IGS News. A maximum of three profiles can be published in each issue of IGS News. The criteria for the preparation and submission of Corporate Profiles are available from the Editor. There is no charge for having a Corporate Profile published; it is a benefit of corporate membership.

As a next step in its commitment to become a world player in the geosynthetics market, Mattex is heavily investing in a state-of-the-art, vertically-integrated non-woven geotextile facility in the Kingdom of Saudi Arabia, complimenting the existing Woven geotextile range.

The Mattex group started the production of polypropylene slit film woven fabrics in 1996. The group has two state-of-the-art manufacturing sites in Jeddah, the Kingdom of Saudi Arabia, 1 production facility in Dubai, UAE and is currently expanding in Al Jubail, KSA. The total production area of the manufacturing sites has increased rapidly to 191,000 sq. m.

Mattex Geosynthetics has direct access to its raw materials which are manufactured next to its production sites. With total control over the properties from the development of the polymers, through the yarns/fibers extrusion, and the manufacturing of the geotextiles on the latest, state-of-the-art equipment, Mattex offers a tremendous advantage to geotextile customers.

Mattex started its production of geosynthetics with polypropylene woven geotextiles and is being expanded with the production of a wide variety of non-woven, high-tenacity geotextiles.



To ensure the best possible product development and sustainability, Mattex is further recruiting geosynthetics experts to direct the development, manufacturing, marketing, and technical application support of our geotextiles.

Mattex - Dubai & Jeddah - Woven :



Mattex Jubail–Nonwoven (under construction)



Corresponding Details

Philippe Grimmelprez
Business Unit director
Mattex Geosynthetics
PO Box 112470, Dubai
United Arab Emirates
Tel: +971 4 803 8111
Fax: +971 4 803 8222
philippe.g@mattex.com

Mark Marienfeld, P.E.
Geosynthetics Manager
Mattex USA
150 Evco Drive
Calhoun, GA 30701
+1 770 917 0260 or 1-8888MATTEX
+1 706 629 4306
mark.m@mattex.com

Website: www.mattex.com



IGS News Publisher, Editor and Chapter Correspondents

IGS News is published by:

International Geosynthetics Society

Office of the Secretariat:
The International Geosynthetics Society
1934 Commerce Lane, Suite #4
Jupiter, FL 33458
USA
TEL: +1.561.768.9589 FAX: +1.561.828.7618
Email: IGSsec@geosyntheticssociety.org

IGS News Editor

Gerhard Bräu
Technische Universität München–Zentrum Geotechnik
Baumbachstrasse 7, 81245 München, Germany
Tel: +49-89-289-27139, Fax: +49-89-289-27189
Email: g.braeu@bv.tum.de

Editorial Board

Russell Jones, Chairman of IGS Communication
Committee
Elizabeth Peggs, IGS Secretary
Jorge Zornberg, IGS President

IGS Chapter Correspondents

Argentina	Verónica Rocío Moratto	rocio.moratto@uns.edu.ar
Belgium	Frans De Meerleer	frans.texion@skynet.be
Brasil	André Estêvão Silva	tesouraria@igsbrasil.org.br
China	Xiao-Wu Tang	tangxiaowu@zju.edu.cn
Czech Republic	Pavel Mann	mann@igs.cz
France	Nathalie Touze-Foltz	nathalie.touze@cemagref.fr
Germany	Gerhard Bräu	g.braeu@bv.tum.de
Greece	Anastasios Kollios	akollios@edafomichaniki.gr
India	G. Venkatappa Rao	gvrao.19@gmail.com
Italy	Nicola Moraci	nicola.moraci@unirc.it
Japan	Jun Otani	junotani@kumamoto-u.ac.jp
the Netherlands	Shaun O'Hagan	s.ohagan@planet.nl
North American Geosynthetics Society	L. David Suits	Nagsdirector@aol.com
Norway	Hanne Louise Moe	hanne.l.moe@sintef.no
Poland	Joanna Borkowska	Joanna@rozenblat.pl
Portugal	Madalena Barroso	mbarroso@lnec.pt
Romania	Andrei Olteanu	adiol@utcb.ro / olteanu.andrei@gmail.com
Russia	Vladimir Kleveko	vlivkl@pochta.ru
South Africa	Peter Davies	peter@kaytech.co.za
South Korea	Myoung-Soo Won	wondain@kunsan.ac.kr
Spain	Pedro L. Abad	Pedro.Abad@cetco.es
Thailand	Ms. Lynn	igs-thailand@ait.ac.th
Turkey	Orkun Akkol	orkunakkol@orientresearch.com
United Kingdom	Peter Langley	PLangley@geofabrics.com
West Pacific	Daniel Hung-Chia Hou	hou.danie@gmail.com

IGS News is published three times per year. Material for publication should be submitted to the Editor by 31 January, 31 May, and 30 September, for possible publication in the March, July, and November issues, respectively.

IGS Council

Elected in 2008

D.T. Bergado (Thailand)
A. Bouazza (Australia)
P. Fantini (Italy)
H.Y. Jeon (Korea)
R. Jones (United Kingdom)
J. Kuwano (Japan)
M. Sadlier (Australia)
M. Ziegler (Germany)

Co-opted in 2008

V. Pimentel (Brazil)

Co-opted in 2010

P. Abad (Spain)
G. Vivar (Peru)
K. Rajagopal (India)
X. Tang (China)
C. Yoo (Korea)

Elected in 2010

S. Allen (USA)
E. Blond (Canada)
J. Cowland (Hong Kong, China)
N. Dixon (UK)
P. Legg (South Africa)
J. Otani (Japan)
E. Peggs (USA)
N. Touze-Foltz (France)

IGS Officers

President

Jorge G. Zornberg, PhD., P.E.
The University of Texas at Austin
Civil, Architectural & Environmental
Engineering Department
1 Univ. Station C1792
Rm ECJ9, 227G
Austin, Texas 78712-0280 USA
Tel: 1/512 232 3595
Fax: 1/512 471 6548
Email: zornberg@mail.utexas.edu

Vice-President

Dr. Russell Jones
Golder Associates (UK) Limited
Attenborough House,
Browns Lane Business Park,
Stanton-on-the-Wolds, Notting-
hamshire, NG12 5BL
UNITED KINGDOM
Tel: 44 115 937 1111
Fax: 44 115 937 1100
Email: rjones@golder.com

Immediate Past-President

Prof. Fumio Tatsuoka
Tokyo University of Science
Dept. of Civil Engineering
2641 Yamazaki, Noda City
Chiba Prefecture 278-8510
JAPAN
Tel: 81/47122 98190
Fax: 81 47123 9766
Email: tatsuoka@rs.noda.tus.ac.jp

Treasurer

Peter Legg
Consulting Principal, Geo-
Environmental Engineers
28 8th Avenue
Northmead
Benoni, 1501
SOUTH AFRICA
Tel: 27 (0)11 425 1197
Fax: 27 (0)11 425 1197
Email: peterlegg@telkomsa.net

Secretary

Elizabeth Peggs
geosynthetica.net
6072 North Ocean Blvd.
Ocean Ridge, Florida 33435-5210
USA
Tel: 1 1 561 655 2060
Fax: 1 1 561 655 9922
Email: elizabeth@geosynthetica.net

Visit the IGS Website:

www.geosyntheticssociety.org

**IGS MEMBERSHIP REQUIRES ELECTRONIC COMMUNICATION –
PLEASE ENSURE WE HAVE YOUR CURRENT E-MAIL ADDRESS!**

The International Geosynthetics Society

OBJECTIVES OF THE IGS

The International Geosynthetics Society was formed with the following objectives:

- to collect, evaluate, and disseminate knowledge on all matters relevant to geotextiles, geomembranes, related products, and associated technologies;
- to improve communication and understanding regarding geotextiles, geomembranes, related products, and associated technologies, as well as their applications;
- to promote advancement of the state of the art of geotextiles, geomembranes, related products, and associated technologies; and
- to encourage, through its Members, the harmonization of test methods, and equipment and criteria for geotextiles, geomembranes, related products, and associated technologies.

WHY BECOME A MEMBER OF THE IGS?

First, to contribute to the development of our profession.

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.

Second, to enjoy the benefits.

The following benefits are now available to all IGS Members:

- the IGS Membership Directory, published yearly;
- the newsletter, IGS News, published three times per year;
- free electronic issues of Geosynthetics International and Geotextiles & Geomembranes;
- a CD containing the 19 IGS Mini Lecture Series;
- a DVD containing the three IGS Videos;
- 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 29)! 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: +1.561.768.9589 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: _____

Company, Division, Function (if applicable): _____

Position/Title: _____

Address (Street or Postal Box): _____

City: _____ Province/State: _____

Postal Code: _____ Country: _____

Telephone: _____ Fax: _____

Email: _____

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