

IGS NEWS



NEWSLETTER OF THE INTERNATIONAL GEOSYNTHETICS SOCIETY

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

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Announcing the Candidates for the IGS President, Vice President, and Council Members: Term 2006 to 2010

A call for candidates for the IGS President, Vice President, and Council appeared in the March, July, and November 2005 issues of *IGS News*. The 2006 IGS Election will be the first IGS electronic ballot. **Three ballots, one each for the election of President, Vice President, and eight Council Members, will be posted electronically on 1 June 2006 with balloting to close on 31 July 2006.** Results will be announced at the General Assembly, in Yokohama, Japan, during the 8/CG (September 2006).

The election of the IGS President, Vice President, and the eight new Council Members, and the appointment of the Immediate Past-President, will be for a four-year period (2006 to 2010).

IGS President and Vice President

There is one candidate for IGS President, Prof. Fumio Tatsuoka, and two candidates for IGS Vice

President, Mr. Bernard Myles, and Dr. Jorge Zornberg.

According to the IGS bylaws, Dr. D. Cazzuffi will become an IGS Officer in his capacity as Immediate IGS Past-President following the General Assembly, in Yokohama, Japan. The Secretary and Treasurer (the other two IGS officers) will be elected by the new IGS Council at a meeting of the Council, after the General Assembly.

IGS Council Members

A total of 11 candidates have declared their intention to run for one of the eight available IGS Council positions. Three of these candidates are standing for re-election: G. Bräu (Germany), M. Maugeri (Italy), and E. Palmeira (Brazil). The remaining eight candidates standing for election are as follows: S. Allen (USA), Y. Chen (People's Republic of China), N. Dixon (UK), N. Freitag (France), J. Ferreyros (Peru), D. Gong (Peo-

ple's Republic of China), J. Otani (Japan), and E. Peggs (USA).

The IGS bylaws stipulate that a Council Member may only serve two consecutive four-year terms and, thus, the following individuals were not eligible to run as candidates in this Council election: S.P. Corbet (UK), Ph. Delmas (France), and P.E. Stevenson (USA).

Biographies of the candidates follow on page 2. IGS Members are asked to carefully read the biographical information and consider the merits of the individual candidates with respect to geographical location and background. It is important that the IGS Council be comprised of motivated individuals who reflect the geographical breadth of the Society and the wide range of disciplines and experience associated with the Society.

Karina McInnis, Editor, IGS News

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

Visit the IGS WWW site: www.geosyntheticssociety.org

IGS President Candidate, Fumio Tatsuoka

Prof. Fumio Tatsuoka is a Professor of Geotechnical Engineering at the Tokyo University of Science (Japan), the IGS Vice President (2002-2006), and the immediate Past Vice President Asia of the ISSMGE. He obtained his Ph.D. in Civil Engineering from the University of Tokyo in 1973. He was a research engineer at the Public Works Research Institute, the Ministry of Construction and, subsequently, a faculty member at the University of Tokyo (1977-2004). Some of his major awards are the 1994 IGS Award, the 1996-1997 Mercer Lecture, and a two-time recipient of the ASTM Hogentogler Award. His research interests include geosynthetic-reinforced soil structures and the strength and deformation characteristics of geomaterials. He is the Vice President of the Japanese Society for Civil Engineers and Editorial Board Member for several journals. He is Chair of the IGS Japan Chapter, which is now in the final stages of organizing the *8th International Conference on Geosynthetics* to be held in Yokohama in September 2006.



If elected as IGS President, together with his colleagues of the IGS, he will work to further develop the IGS based on the active interactions between practicing engineers and academic researchers, by taking advantage of his past rich experience in promoting various activities among the international societies. In particular, he will put his strongest efforts in increasing the number of IGS Individual and Corporate Members, as well as the number of IGS Chapters, so that the IGS will continue playing essential roles in overseeing the growth of geosynthetics engineering worldwide. He considers this effort, in addition to promoting cost-effective administration, essential to create a sound financial status for the IGS and to eliminate the need to increase the financial burden for existing and potential Members. He plans to strengthen communication amongst IGS Members, in particular the Chapters, Officers, and Council.

IGS Vice President Candidates

Bernard Myles



As a geosynthetic consultant based in the United Kingdom, and a founder member of the IGS with ten years of Council experience, I ask for your vote and support in my candidacy for Vice President. Prior to establishing my consultancy, I spent 15 years as a technical manager in the geosynthetic

industry. My present clientele is worldwide, and I remain actively involved in developing industry standards and specifications. I believe that the strength of the Society is as an industry forum, where manufacturers, practitioners, and academics can meet and interact. We must make greater use of the membership's commercial and practical knowledge in promoting the Society's aims. Over the last 23 years, the Society has grown and developed to its present level of 1,700 individual memberships with over 100 supportive corporate members. My goal is that the Society must develop further by embracing all sections and aspects of the geosynthetic discipline. Greater efforts must be made to increase membership within the specifying authorities, service industries, and, particularly, with the users and specifiers in the developing countries; only in this way can the growth of the Society and its Chapters match or exceed the constant growth in the worldwide geosynthetic industry.

Jorge Zornberg



Dr. Jorge G. Zornberg is Geotechnical Engineering professor at the University of Texas at Austin, USA. Before joining the University of Texas, he was a project engineer at Geo-Syntec Consultants. He is a registered Professional Engineer with geosynthetics experience in both practice and research. In recognition of his contributions, Dr. Zornberg received the *Young IGS Member Award* (1996), the *IGS Award* (2004), the *Collingwood Prize* (2000) from the ASCE, and the *2002 Presidential Early Career Award for Scientists and Engineers* from the President of the United States. He is an Editorial Board Member for the *Journal of Geotechnical and Geoenvironmental Engineering* and of *Geosynthetics International*. He is an IGS Council Member, a member of the ISSMGE Earth Reinforcement Committee, Secretary of the Geosynthetics Committee of the ASCE Geo-Institute, and Co-Director of the Center for Polymers in Hydraulic Systems of GSI. He was Secretary of the *Geo-Frontiers 2005 Congress* held in Austin, Texas, and is Chair of *GeoAmericas 2008: The First Pan-American Geosynthetics Conference and Exhibition* to be held in Cancún, Mexico. These conferences have brought, and are expected to continue to bring, together the many segments of the geosynthetics industry (from contractors to manufacturers, to academics to designers). Jorge considers integration of these many segments is at the heart of our industry needs. If elected to Vice President, he plans to pay particular attention to such integration, to projects aimed at strengthening the relationship between the IGS and existing Chapters, and to the formation of new IGS Chapters.

IGS Council Member Candidates

Sam Allen

Mr. Sam Allen is the Vice President of the Texas Research International (TRI) Geosynthetics Services Division, USA, an international, independent, third-party geosynthetics testing and research firm, based in Austin, Texas. Since joining TRI in 1989, he has logged countless hours, testing and researching geosynthetics, and reporting generated data. His career to-date has been marked by a focus on the development of accelerated and cost effective procedures for the measurement of design reduction factors. He also developed the TRI quality system for geosynthetics testing, and the various curriculums of TRI's design, specification, and testing short courses. He is the Chair of the ASTM Committee D35 on Geosynthetics and serves as the US TAG Committee Chair for liaison to the International Standards Organization (ISO). He also serves as the Working Group 5 Convener for the Geosynthetics Durability Group of ISO Technical Committee 221 on Geosynthetics. Mr. Allen serves on the Board of the North American Geosynthetics Society (NAGS) and the Geosynthetics Institute (GSI) in Folsom, Pennsylvania.



control and continuous compaction control. The main topics in his geosynthetics work are soil-geosynthetics interaction, damage during installation, reinforcement, education, and special lectures on geosynthetics applications. He is active in national and international societies and standardization organizations (IGS, DGGT, CEN, DIN, FGSV). He is Chair of the German working group "Calculation and Design Methods for Earth Reinforcement with Geosynthetics" (EBGEO). For the special section "Geosynthetics in Geotechnique" (FS-KGEO) (founded in 1988) of the German Geotechnical Society (DGGT) and the German IGS Chapter, he is responsible for the organization of their regular national conferences and was General Secretary for the *EuroGeo 3* conference 2004 in Munich. Since 2006, he has been Vice Chair of FS-KGEO. He has been a member of the IGS Council since 2002 and head of the European Activities Committee.

Yun-min Chen

Prof. Yun-min Chen is the Executive Dean of the College of Civil Engineering and Architecture at Zhejiang University of China, and the Director of National Key Discipline-Institute of Geotechnical Engineering of Zhejiang University. He received his Ph.D in Civil Engineering from Zhejiang University in 1986. His research includes the Rayleigh-wave transmission, dispersion characteristics and their engineering applications, measurement of soil shear velocity, characteristics of structured soft soil, and engineering properties of municipal solid waste. Prof. Chen has received over 10 national prizes for progress in science and technology. He is the Special Scientist of Zhejiang Province and received the National Youth Award of Science



and Technology Young Teachers Award from the Ministry of Education in Colleges and Universities, and the Mao Yi-sheng Soil Mechanics and Foundation Engineering Youth Award. He is a Council Member of the Subject Reviewing Group of China, Academic Society Committee of the State Council, National Natural Science Foundation of China, Chinese Society of Soil Mechanics and Geotechnical Engineering, Committee of Rock and Soil Mechanics, Chinese Hydraulic Engineering Society, Chinese Technical Association on Geosynthetics, and the Chinese Society of Theoretical and Applied Mechanics. He is Vice President of the Committee of Soil Dynamics, Chinese Society of Vibration Engineering, and Director of the Committee for Geoenvironmental Engineering.

Neil Dixon

Dr. Neil Dixon is a Senior Lecturer in Geotechnical Engineering at Loughborough University, United Kingdom, and has 20 years of experience in geosynthetics design and research, with particular emphasis on environmental applications. He has a proven track record of actively promoting geosynthetics through education, research, and involvement in the IGS. He has been a member of the IGS UK Chapter Committee since 2001 and is currently the Vice Chair. Dr. Dixon is also on the *EuroGeo 4* Organizing Committee and Chair of the Technical Committee. He has contributed to IGS international conferences over the past decade through research and education activities, and he is on the Editorial Board of *Geotextiles and Geomembranes*. Dr. Dixon seeks the opportunity to aid the further development of the IGS by contributing his organizational skills, drive, and commitment to enhance the



Gerhard Bräu

Gerhard Bräu studied Civil Engineering at the Technical University of Munich (TUM), Germany. Since 1984, he has been working at TUM at the Chair for Soil Mechanics and Foundation Engineering. He is in charge of research works, design and practical applications dealing with earthworks, ground engineering, quality



support of individual and Corporate Members. His nomination is supported by the IGS UK Chapter Committee.

Nicolas Freitag

Currently Head of the R&D Department of Terre Armée Internationale (Reinforced Earth), Nicolas Freitag graduated from the Ecole Nationale des Ponts et Chaussées (ENPC), Paris, France, in 2001. Terre Armée is an IGS Corporate Member and is in the field of designing reinforced fill structures using steel strips and geosynthetics. Mr. Freitag's special interests are long-term geosynthetic durability, innovation in geosynthetic reinforcement, concepts, and design methods, and new numerical methods. If elected to the IGS Council, Mr. Freitag proposes to represent the perspective of the geosynthetics design engineer and consultant, i.e., one who specifies and integrates geosynthetic products into engineered solutions maintaining high levels of design quality and durability. He sees one of the future challenges for the IGS is continuing to raise the standards of geosynthetics products without closing the door to innovation, which is vital for moving forward.



Jose Ferreyros

Jose D. Ferreyros is a Professional Engineer and graduated with a B.Sc. in Civil Engineering from the Pontificia Universidad Católica del Perú, with post-graduate courses in Soil Mechanics (at the same university) and Roadway Construction from Zaprutchev Institut in Belgrade. Mr. Ferreyros has more than 13 years experience in the design, sales, service, and installation of all the types of geosynthetics in mining



(e.g., leaching pads, mine washing tanks, dams, waterways, reservoirs) and road construction projects. He is a founding member of the IGS Perú Chapter and has been the Perú Chapter President of the Geomembranes Committee. Mr. Ferreyros was also President of the Organizing Committee for the first National Geosynthetics Congress in Perú. He would like to represent South America on the IGS Council with the objective of increasing the dissemination of geosynthetics knowledge and assisting in the development of IGS Chapters in the majority of countries in South America.

David Gong

David (Xiao-qing) Gong is General Manager of Tensar Geosynthetics (Wuhan) Ltd., a wholly owned subsidiary of Tensar International Ltd., United Kingdom, and IGS Corporate Member since 2003. He received his B.Eng. in Xi'an, China, and M.Eng. in Auckland, New Zealand and has been a member of the Chinese Chapter of the IGS (CCIGS) for six years. Mr. Gong has been involved in many technical seminars and presentations throughout China to promote the use of geosynthetics products. His team has translated all of the IGS mini lectures into Chinese and provided them to CCIGS Members to promote the IGS and to improve the technical understanding of geosynthetics in China. Having studied in New Zealand for three years and worked with a UK-based company for six, he can communicate well in English. Mr. Gong has good relations with all CCIGS Members, and he will be able to travel and attend all IGS Council Meetings. If elected to Council, he is committed to continue promoting the IGS and geosynthetics knowledge in China.



Michele Maugeri

Prof. Michele Maugeri graduated from Civil Engineering at the Politecnico di Torino (Italy), was a visiting researcher at the Imperial College of London (1970-1971), and is full professor of Geotechnical Engineering at the University of Catania (Italy). He is the Director of the Ph.D. Program in Geotechnical Engineering and member of the Italian National Committee of the Ministry of the Public Works. He is the Italian delegate of the Technical Committee No. 4 on Earthquake Geotechnical Engineering of the ISSMGE and several other European committees. Prof. Maugeri has been a member of the IGS Council (2002-2006) and President of the Italian Chapter (AGI-IGS). He is a member of the IGS Education Committee and has served the IGS as a member of several committees, including the Award Committee for the IGS Awards and Student Awards. He is member of the UNI, GL5 "Geotextiles and Geotextile-Related Products". He has attended many geosynthetics conferences as Session Chair and as a member of the Scientific Committee. He is a co-author of a keynote lecture to be presented at the 8th International Conference on Geosynthetics in September 2006, in Yokohama, Japan. Since 1970, he has authored more than 300 papers.



Jun Otani

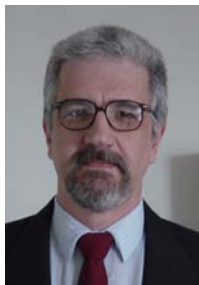
Prof. Jun Otani is a Professor of Soil Mechanics and Geotechnical Engineering at Kumamoto University, Japan. He obtained his Masters Degree from Nagoya University, Japan, in 1983 and his Ph.D. from the University of Houston, USA, in 1990. His research interests include geosyn-



thetic-reinforced structures and foundation engineering such as pile foundations. Recently, he developed the first research community in the world for the application of X-ray CT to geomaterials and was Chair of the International Workshop on the application of X-ray CT for geomaterials (*GeoX2003*) in Kumamoto, Japan, in 2003. Prof. Otani organized the well known “*International Symposium on Earth Reinforcement*” (*IS Kyushu*) in Japan on four consecutive occasions and served as Secretary General of those symposia in 1992, 1996, and 2001. He was also the Secretary of the ISSMGE Technical Committee No. 9 on Earth Reinforcement for two terms. He is a Council Member of the Japanese Geotechnical Society, an Editorial Board Member for *Geosynthetics International*, and a member of the IGS Education Committee. Through these experiences and activities, he has contributed to the establishment of a worldwide community for geosynthetics and earth reinforcement research.

Ennio Palmeira

Prof. Ennio M. Palmeira is a Professor of Civil Engineering at the University of Brasilia, Brazil. He holds B.Sc., M.Sc. (Federal Uni-



versity of Rio de Janeiro, 1977 and 1981) and Ph.D. (University of Oxford, UK, 1987) degrees in Civil Engineering, and has been working with geosynthetics for the last 27 years. He led the group that formed the Brazilian IGS Chapter and was its first President. Prof. Palmeira was awarded the IGS Award twice (1996 and 2004) and has been serving as President of the South American Activities Committee and of the IGS Education Committee, encouraging the development of new IGS chapters in South America, and lecturing, organizing or supporting the organization of short courses on geosynthetics during *GeoAsia 2004*, at the Asian Institute of Technology (2005), and for the 8th ICG, to be held in Yokohama, Japan, September 2006. The Education Committee has also recently produced 12 leaflets on geosynthetics applications (available from the IGS web site) to promote the use of these materials and a survey on current activities of past recipients of IGS Student Awards.

Elizabeth Peggs

As the Director of Marketing for *geosynthetic.net*, Elizabeth Peggs has worked for five years with the specific goal of expanding the popular knowledge



and appropriate use of geosynthetic materials. It is her belief that the wealth of information and expertise of the IGS needs to be shared internationally with a broad variety of user groups. Her work provides that support, and her marketing skills complement the engineering and technical focus of the IGS Council. Currently, she serves as the Communications Committee Chair for the upcoming *GeoAmericas 2008* Conference and as the Recording Secretary for ASTM D35. Having served on IGS Council since January 2005, she has worked with the Communication and the North American Activities Committees. Her other work for the IGS includes web site and database development, and the preparation of the CDs and DVDs containing the geosynthetics mini-lectures and the IGS videos. As a member of the IGS Council, she will be able to continue this work for the IGS, while performing her daily professional duties. Elizabeth is very excited about the prospect of continuing her efforts to grow the IGS—its membership, resources, and communication with the general and technical user groups.

8th International Conference on Geosynthetics (8ICG)

18 to 22 September 2006, Yokohama, Japan

Over 400 paper abstracts have been accepted for the 8ICG, which is the greatest number of accepted abstracts in the history of the International Conferences on Geosynthetics.

The final papers have been peer-reviewed by the International Paper Selection Committee (IPSC) and international reviewers appointed by the IPSC. The IPSC Members are Jiro Kuwano – Chair

(Japan), Richard Bathurst (Canada), Heinz Brandl (Austria), Daniele Cazzuffi (Italy), Jean-Pierre Gourc (France), Robert Holtz (United States), Chris Lawson (Malaysia), Masashi Kamon, Junichi Koseki, and Fumio Tatsuoka (all of Japan).

Conference Topics

- Transport
- Hydraulic structures

- Erosion control and coastal works
- Soil improvement and reinforcement
- Mining
- Waste landfills
- Remediation of contaminated sites
- Landscaping and environmental mitigation
- Prevention of natural and technological risks

- Agriculture and forests
- Innovative geo-materials and construction methods
- Education and technology transfer



Karunaratne, G.P. (Singapore), Lafleur, J. (Canada), Palmeira, E.M. (Brazil) on "Hydraulic Applications of Geosynthetics"

New Conference Features

Practitioners and Academics Forum

A Special Plenary Session will be held during the 8/CG to help facilitate a dialogue between geosynthetics researchers and practitioners, which will be moderated by Richard J. Bathurst, IGS Past-President. The goal is to have areas of research identified by academics that have potential applications to practitioners and have potential geosynthetics research opportunities identified by practitioners.

Case Histories

A new and unique feature of the 8/CG will be presentation sessions organized for more than 80 papers on geosynthetics engineering case histories submitted from IGS chapters and individual authors from all over the world.

Special and Keynote Lectures

Giroud Lecture by Lawson, C.R. (Malaysia) on "Geotextile Containment for Hydraulic and Environmental Engineering"

Keynote Lectures

- Heibaum, M. (Germany), Fourie, A. (Australia), Girard, H. (France),

- Koseki, J. (Japan), Bathurst, R.J. (Canada), Guler, E. (Turkey), Kuwano, J. (Japan), Maugeri, M. (Italy) on "Seismic Stability of Reinforced Soil Walls"
- Kavazanjian, E. (USA), Dixon, N. (UK), Katsumi, T. (Japan), Kortegast, A. (New Zealand), Legg, P.

Visit the Conference website at www.8icg-yokohama.org/ for more information or contact:
Mr. Noboru Kiyokawa
Conference Secretary
Tel: 81/3 3837 2503
Fax: 81/3 3837 5818
info@8icg-yokohama.org

(South Africa), Zanzinger, H. (Germany) on "Landfill and Environmental Issues"

"IGS History" by Giroud, J.P.

Pre-Conference Special Lectures

"The Vienna Terzaghi Lecture" by J.P. Giroud and the "2005 Rankine Lecture" by R. Kerry Rowe will be presented on 18 September 2006 and is being hosted by the Japan IGS Chapter and the Japanese Geotechnical Society. The Lectures are open to and free for all Conference participants and members of the Japan IGS Chapter and the JGS. Reservations are

required due to the limited number of available seats; contact Ms. C. Nohara for more information:
nohara@rs.noda.tus.ac.jp

Geosynthetics Training Course

An introductory training course on geosynthetics organized by the IGS Education Committee will be offered all day on 18 September 2006.

- Geosynthetics Types and Functions (E. Palmeira)
- Geosynthetics in Drainage and Filtration (J.P. Gourc)
- Geosynthetics in Hydraulic Applications (J. Zornberg)
- Geosynthetics in Reinforced Walls and Steep Slopes (R. Bathurst)
- Geosynthetics in Unpaved Roads (E.C. Shin)
- Geosynthetics in Embankments on Soft Soils (J. Otani)
- Geosynthetics in Waste Disposal (M. Bouazza)

The training course fee is JPY3,000. There is a limited number of seats and those interested should register as soon as possible.

Organized by the Japan Chapter of the IGS

Under the auspices of the IGS

With the support of the International Society for Soil Mechanics and Geotechnical Engineering, & the Japanese Geotechnical Society

reported by Fumio Tatsuoka, IGS Vice President and Chair of the 8/CG Organizing Committee

IGS Student Awards Update for 2005 to 2006 Period

The next IGS Student Award ceremony will be conducted in Yokohama, Japan, during the 8/CG, 18 to 22 September 2006. Each chapter is encouraged to organize a competition and nominate a student by 31 July 2006 to receive the IGS Stu-

dent Award of \$1,000.

The chapter nomination is limited to one candidate, who must be an undergraduate, M.Sc., or Ph.D. student and must be no older than 35 in the year the award is granted.

Students nominated by their chapter to receive the IGS Stu-

dent Award will use the award to attend the 8/CG and are required to submit a report on the event and experience.

In recognition of the IGS Student Award winners, the organizers of the 8/CG are required to hold a recognition ceremony as part of the

Conference program; provide award winners with access to the technical sessions, the exhibition, and to some social events; and assist the students in locating affordable lodging near the Conference venue.

The award selection, notification, and receipt process will be as follows:

- Each IGS Chapter advises the IGS Secretariat of the name and address of the chapter student award winner by 31 July 2006.
- The IGS sends 75% of the award (\$750) to the student.
- The student attends the 8/ICG and submits a report.
- Upon receipt of the report, the Chair of the Education Committee

approves the forwarding of the remainder of the award (\$250) to the student.

Please contact the IGS Secretary, Peter Stevenson, if you have questions or require clarification.

*reported by Peter Stevenson
IGS Secretary*

10th International Conference on Geosynthetics in 2014

Conference Organizers Sought

The IGS invites Chapters and interested organizations to express their interest in organizing and hosting the 10th International Conference on Geosynthetics (10/ICG), which will be held in 2014. The following is the history of the International Conferences on Geosynthetics (ICGs):

- First ICG, Paris, France, 1977

- Second ICG, Las Vegas, USA, 1982
- Third ICG, Vienna, Austria, 1986
- Fourth ICG, The Hague, The Netherlands, 1990
- Fifth ICG, Singapore, 1994
- Sixth ICG, Atlanta, USA, 1998
- Seventh ICG, Nice, France, 2002
- Eighth ICG, Yokohama, Japan, 18-22 September 2006

- The IGS Council is currently evaluating proposals for the 9/ICG. An announcement will be made at the 8/ICG in Yokohama

The IGS Secretary will provide prospective hosts with a detailed information package that informs and instructs interested parties on the proper procedure to prepare a bid to host the Conference. Interested Chapters and organizations should contact the IGS Secretary.

A New IGS Chapter: The Hellenic Chapter of the IGS

Efforts to create the Hellenic Chapter of the IGS were intensified after the 3rd European Conference on Geosynthetics (EuroGeo 3). Formal approval of the Hellenic Geosynthetics Society (HGS) was granted by the Greek Courts in October 2005. The Chapter has 71 members and held its first General Meeting in December 2005. The General Meeting appointed the Executive Committee to serve for a three-year period.

Executive Committee for 2006-2008

President: Dimitrios K. Atmatzidis

Vice President: Anastasios A. Kollios (representative to the EAC)

General Secretary: Dimitrios A. Chrysikos

Treasurer: Nikos A. Naskos

Members: Nick A. Kantartzis (public relations), Michael J. Kavadas, Michael D. Pachakis

The Hellenic Chapter will co-sponsor with the Technical Chamber of Greece a one-day seminar

on "Applications of Geosynthetics" to be held in Athens in the Fall of 2006. In addition, numerous papers on geosynthetics research and applications will be presented at the 5th Hellenic Conference in Geotechnical and Geoenvironmental Engineering (31 May to 2 June 2006). The Executive Committee is planning further activities for disseminating information on specification, testing, designing, and construction with geosynthetics.

*reported by D.K. Atmatzidis,
Hellenic Chapter President*

IGS Thailand Chapter Report and a Synopsis of the International Symposium on Tsunami Reconstruction with Geosynthetics Synopsis

The IGS Thailand Chapter organized two geosynthetic technology transfer

activities in December 2005, the Professors' Training Course on Geosynthetics (6 to 7 December)

and the International Symposium on Tsunami Reconstruction with Geosynthetics (8 to 9 December).



Guests at the Symposium opening ceremony: Mike Sadlier (far right), Coordinator of the IGS Tsunami Relief Initiative.

In addition, on 7 December, the Asian Center for Soil Improvements and Geosynthetics organized a one-day Workshop on Geosynthetic Reinforced Structures, which was conducted by Prof. Dov Leshchinsky.

Professors' Training Course on Geosynthetics

There were a total of 19 participants and five resource persons taking part in the Training Course, which was held at the Asian Institute of Technology (AIT) Conference Center in Bangkok, Thailand, with the support of the IGS. The participants included 12 invited professors and seven Asian Institute of Technology (AIT) graduate students. The professors were from Indonesia (2), Malaysia (2), Thailand (5), Laos (1), Vietnam (1), and Philippines (1). The five resource persons were, Prof. M. Bouazza, Ir. Chris Lawson, Prof. E.C. Shin, Dr. A. Zhao and Prof. D.T. Bergado. This was the first Professors' Training Course organized by the IGS Thailand Chapter.

International Symposium on Tsunami Reconstruction with Geosynthetics

The Symposium was held at the Miracle Grand Convention Hotel in Bangkok, Thailand, under the auspices of the IGS. There were

75 participants and 26 authors and presenters from 14 countries. The lectures included six keynote lectures, six invited lectures, and 14 technical lectures. The keynote lectures were given by, Prof. N. Shuto, Prof. F. Tatsuoka, Prof. H. Ohta, Prof. B. Indraratna, Prof. K. Yasuhara, and Prof. R. Sarsby. The invited lectures were delivered by, Prof. C. J.F.P. Jones, Ir. E. Alvarez, Prof. S.A. Tan, Prof. G. Heerten, Prof. S.L. Shen, and Prof. S.W. Yan. The lectures were impressive and the technical quality of the papers was very high.

Prof. C. J.F.P. Jones, Ir. E. Alvarez, Prof. S.A. Tan, Prof. G. Heerten, Prof. S.L. Shen, and Prof. S.W. Yan. The lectures were impressive and the technical quality of the papers was very high.

land and Mike Sadlier, IGS Council Members, participated in the opening ceremony (see photo). We were also pleased that Prof. F. Tatsuoka, IGS Vice President could participate; he presented a summary of the preparations and organizational progress of the 8th International Geosynthetics Conference to be held in Yokohama, Japan, in September 2006. Moreover, there were 12 geosynthetics manufacturers and suppliers who took part in the technical exhibition.

On behalf of the IGS Thailand Chapter, I would like to express my deepest gratitude and appreciation to all lecturers, participants, exhibitors, and sponsors. The registration fees were kept to a minimum, due to the generous sponsorships of geosynthetic suppliers, users, and



Professors' Training Course on Geosynthetics: participants (background), five resource individuals (seated), and Prof. Dennis Bergado (Symposium Organizer, seated, far right).

Both hard and soft copies of the proceedings (greater than 500 pages), were distributed to the participants. A selection of the Symposium proceedings will be edited into a Special Issue of *Geotextiles and Geomembranes*. Both John Cow-

manufacturers. Last, but not the least, I would like to thank my staff members and graduate students for their assistance during the symposium, short course, and workshop.

reported by Dennes T. Bergado, President IGS Thailand Chapter

IGS Council Members Participating in the Tsunami Relief Initiative

Daniele Cazzuffi
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IGSsec@aol.com

Mike Sadlier
Tsunami Coordinator
Member AAC, Australia
Sadlier@attglobal.net

John Cowland
Member AAC
Hong Kong, China

Masami Kamon
Chair AAC, Japan

E.C. Shin
Member AAC, Korea

Cheng-Gang Bao
Member AAC, China

G.V. Rao
Member AAC, India

Activities Report: German IGS Chapter and the Special Section FS-KGEO

There are 112 members of the German IGS Chapter and 365 members of the Geosynthetics in Geotechnics (FS-KGEO: Fachsektion Kunststoffe in der Geotechnik) special section.

2006-2009 Chairs

The Chairs of the special section FS-KGEO and the German IGS Chapter for the period 2006-2009 are:

Chair: Univ.-Prof. Dr.-Ing. M. Ziegler, RWTH Aachen, Lehrstuhl für Geotechnik im Bauwesen

Vice Chairs: Prof. Dr.-Ing G. Heerten, Naue GmbH & Co, KG, Lübbecke; and

Dipl.-Ing. G. Bräu, TU München, Lehrstuhl und Prüfamnt für Grundbau, Bodenmechanik und Felsmechanik

The former Chair, Univ.-Prof. Dr.-Ing. E.h. R. Floss (Technische Universität München) and Vice Chair Dr. W. Wilmers (Wetzlar) have resigned from their positions after extensive and honourable work since the founding of the Special Section FS-KGEO in 1988 and the German IGS Chapter in 1994.

FS-KGEO 2005 Conference

The 9th National Conference on Geosynthetics (FS-KGEO 05) was

held on 16 and 17 February 2005 in München. A total of 36 papers were presented orally and nine by posters. For more information, see the March 2005 issue of *IGS News*. The Conference Proceedings are available at the administrative office of the DGGT, Essen. The abstracts of all papers are available at www.gb.bv.tum.de/fachsektion/tagung/nr9/b_infoveranstaltung.htm.

EBGEO

First published in 1997, the German regulations for geosynthetic reinforced structures (EBGEO) are being revised. A first draft of a new section dealing with reinforced dams over pile-similar elements has been published for public discussion at www.gb.bv.tum.de/fachsektion/b_ak-ak52.htm. The remaining sections under revision will be published at the same web site in 2006.

Publications of Workings Groups of FS-KGEO

The Working Group AA 5.15 of FGSV / AK 5.3 of DGGT finalized the regulations for the applications of geosynthetics in road construction (*Merkblatt über die Anwendung von Geokunststoffen im Erdbau des Straßenbaus*, M Geok E mit Check-

listen C Geok E) and the terms of delivery (*Technische Lieferbedingungen für Geokunststoffe im Erdbau des Straßenbaus*, TL Geok E-StB 05). They were published in 2005 by the FGSV.

In 2005, the Working Group AK 5.1 of the DGGT published recommendations for sealing systems for tunnelling (*Empfehlungen zu Dichtungssystemen im Tunnelbau*, EAG-EDT). The paper presents the actual state of dimensioning, selection, application, and testing of geosynthetics for tunneling applications.

More information on these publications can be found at www.gb.bv.tum.de/fachsektion/a_veroeffentlichungen.htm.

FS-KGEO 2007

The 10th National Conference on Geosynthetics (FS-KGEO 2007) will be held February 2007 in München. The Conference program will be distributed by mail at the end of 2006 and will be available at www.gb.bv.tum.de/fachsektion/a_aktuell.htm.

reported by Gerhard Bräu
IGS Council Member

NAGS Chapter Report and a Synopsis of the NAGS 2005 / GRI 19 Conference

NAGS Chapter Update

At the NAGS Biennial General Assembly held at the NAGS 2005 / GRI 19 Conference, the following new Board of Directors for 2005-2007 was introduced:

President: Dr. Grace Hsuan

President Elect: Dr. David Elton

Treasurer: Robert Mackey

Vice Presidents: Sam Allen, Boyd Ramsey, Dr. Mark Meyers, Dean

Sandri, Dr. Jorge Zornberg, Dr. Craig Lake

Executive Director: L. David Suits.

The following out-going Board Members were recognized with certificates for their dedicated service to the Board and the Society: Dr. Shobha Bhatia, Dr. James Blatz, Mark Sieracki, and Dave Suits.

The following new Board of Directors for the Geosynthetic

Institute (GSI) was introduced at the GSI Annual Meeting: Boyd Ramsey, Sam Allen, Mark Sieracki, Richard Stulgis, Gary Kolbasuk, David Jaros, Tony Eith, Kent Von Maubeuge, and Rex Bobsein. Out-going Board Members, James Olsta and Dave Suits were recognized for their service to the Board and Institute over the last several years.

NAGS 2005 / GRI 19 Conference

On 14 to 16 December 2005, over 200 individuals gathered in Las Vegas, Nevada, USA, for the first cooperative geosynthetics conference sponsored by the North American Chapter of the IGS (NAGS) and the Geosynthetic Research Institute (GRI) and held under the auspices of the IGS. There were also 20 industry exhibitors, representing a sold-out exhibitor program.

The uniqueness of this Conference was that it was truly two conferences in one. The 19th Annual GRI Conference sessions (17 invited papers) were held each morning, and the NAGS Biennial Conference sessions (30 peer-reviewed papers) were held each afternoon.

The topics of the GRI 19 Conference included: (1) Use of Low Permeability Soils in Geosynthetic Reinforced Walls; (2) Use and Design of Geosynthetics in Heap Leach Systems; and (3) Hot Topics in Geosynthetics (Parts 1 & 2). The first two sessions were followed by panel discussions, with the presenters entertaining questions and comments from the audience.

Among the Hot Topics presented during what has become a regular session at GRI Conferences were: (1) "Geosynthetic Engineering Concerns from a Manufacturer's Perspective," by Boyd Ramsey of GSE Lining Technology, Inc.; (2) "Geosynthetic Manufacturing Concerns from a Consultant's Perspective," by Mark Sieracki, from STS Consultants at the time of the Conference, now with Weaver Boos Consultants.

The NAGS 2005 Conference topics included: (1) Geosynthetics for Reinforcement in Pavement Systems and Perspective on Geosynthetic Education; (2) Student Papers; (3) Geosynthetics in Drainage and Construction Site Run-off; and (4) Geosynthetics in Containment Applications. In this last session, a report was heard from the 2003 Award of Merit team on their

ongoing research on the use of geosynthetics in mining and mineral processing.

Student Paper Competition

Among the 30 papers presented at the NAGS Conference were six student competition papers and, as has been the case in past student competitions, all did an excellent job in presenting their research. The winner of the competition, Karina Lange, will receive funding from both NAGS and the IGS to participate in the 8/ICG in Yokohama, Japan, in September 2006. Karina Lange is a Ph.D. student from Queen's University (Kingston, Ontario, Canada) and the title of the paper was, "Examination of Metal Retention in Geosynthetic Clay Liners Following Permeation by Different Mining Solutions."

Civil Engineering Education Programs

Over the last several years, a topic of discussion, at almost all geosynthetics community gatherings, has been the need to incorporate more course work in the Civil Engineering education programs. The paper "Issues Adversely Impacting the Ability to Integrate Geosynthetic Technology into Engineering Graduate and Post-Graduate Educational Requirements," by Robert Mackey of S2Li (Florida, USA), discussed in detail the roadblocks being faced in attempting to gain this integration. With pressure from accreditation programs to provide a well-rounded educational program of both engineering and social sciences, along with the reduction in the number of credit hours required for graduation from a Bachelors program, we are facing an uphill battle to gain the incorporation of geosynthetics programs into the college curriculums.

Proceedings and Group Meetings

The Conference Proceedings are



GRI 19 / NAGS 2005 Conference (left to right): standing, Craig Lake, Sang-Sik Yeo, David Suits, Saman Zarnani, Duhwan Kim, and Kianoosh Hatami; seated, Christine Weber, Karina Lange, and Grace Hsuan.

available in CD format. Information on purchasing a copy can be obtained from L. David Suits, NAGS Executive Director, by e-mail: ldavidalbany@aol.com.

The following geosynthetics organizations met during the Conference: NAGS Board of Directors; the NAGS Biennial General Assembly; GSI Board of Directors; the GSI Annual Meeting; GSI Focus Groups; International Association of Geosynthetics Installers (IAGI) Board of Directors; IAGI General Assembly; Geo-Institute Task Force; Geo-Americas Conference Organizing Committee; and the Geosynthetics Materials Association Executive Council.

In Summary

NAGS and GSI wish to thank all geosynthetics companies for their sponsorship of functions at Conference and the organizations who supported the Conference through the exhibit program.

All persons from both NAGS and GSI involved with the organization of the Conference were very pleased with the participation and the quality of information presented. A deep expression of gratitude is expressed to all who participated.

*reported by David Suits
NAGS Executive Director*

Geo-Environmental Engineering 2006

3 to 4 April 2006, Kyoto, Japan

Geo-Environmental Engineering 2006 (6th Japan-Korea-France Joint Seminar on Geo-Environmental Engineering) will take place from 3 to 4 April 2006 at the Fukui Institute for Fundamental Chemistry, Kyoto University, Kyoto, Japan, and will be held under the auspices of the IGS. The last five seminars have been joint seminars between Japan and Korea, but this sixth seminar will also include France.

The Conference provides an international forum to discuss the problems facing the public and private sectors, and the engineering and scientific communities, in terms of waste management and remediation of contaminated lands, and related topics.

The main goal of *Geo-Environmental Engineering 2006* is to share information, experiences, and research to give Conference participants greater knowledge, and the ability to help revitalize their communities.

Conference Program

The Conference program comprises the Sixth Mercer Lecture and seven technical sessions.

Sixth Mercer Lecture

The Sixth Mercer Lecturer is Dr. J.P. Giroud (JP Giroud, Inc., USA), and the title of his lecture is "Contribution of geosynthetics to the geotechnical aspects of waste containment." The Mercer Lecture

will be given on the first day of the Conference (3 April 2006). The lecture is given once each in Europe, North America, and the Far East with, in each case, the venue and date being agreed by the selection committee comprising representatives of Tensar International, the ISSMGE, and the IGS.

The aim of the lecture is to help promote co-operative information exchange, between the geotechnical engineering profession and the geosynthetics industry, by giving an eminent practitioner the opportunity to undertake a lecture tour on the subject of geosynthetics in geotechnical engineering.

Technical Sessions

The authors of all accepted papers will have the opportunity to make oral presentations and lead discussions during their respective session. There are approximately six presentations per session and the session topics are:

Session 1: Landfill Liner and Cover

Session 2: Technologies on Barrier System

Session 3: Utilization of Waste Materials

Session 4: Characteristics of Geosynthetics

Session 5: Contaminated Soil and Groundwater

Session 6: Characterization, Numerical Analysis

Session 7: Monitoring, Field Investigations

Geo-Environmental Engineering 2006
Sixth Japan-Korea-France Joint Seminar on Geoenvironmental Engineering
April 3-4, 2006, Kyoto University, Japan



Organized by
Graduate School of Global Environmental Studies, Kyoto University
Seoul National University
Korea Institute of Construction Technology
University Joseph Fourier, France

Conference Secretariat

Toru Inui, Dr. Eng.
Geo-Environmental Engineering 2006

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Organizers

- Kyoto University, Japan
- Seoul National University, Korea
- Korea Institute of Construction Technology, Korea
- University of Grenoble, France

Chairpersons of Organizing Committee

- Masashi Kamon, Kyoto University, Japan
- Junboun Park, Seoul National University, Korea
- Ha-Ik Chung, Korea Institute of Construction Technology, Korea
- Jean-Pierre Gourc, University of Grenoble, France

XIII Danube-European Geotechnical Engineering Conference

29 to 31 May 2006, in Ljubljana, Slovenia

The International Society for Soil Mechanics and Geotechnical Engineering, the Slovenian Geotechnical Society, and the Road and Transportation Research Association of Slovenia, invite all to participate in the XIII

Danube-European Conference on Geotechnical Engineering that will be held in Ljubljana, Slovenia, on 29 to 31 May 2006. The Conference is organized under the auspices of the Ministry of Transport of the Republic of Slovenia and the IGS.

The theme of the Conference is "Active geotechnical design in infrastructure development." To date, the Conference has attracted professionals from all over the world. The more than 170 accepted papers will be published in the Con-

ference proceedings, and the many distinguished persons among the lecturers and panelists, guarantee a memorable technical event.

Timeliness of the Conference

The Conference is being held one year after the election of the new ISSMGE Board. Thus, it will be an opportunity for the ISSMGE Technical Committees to meet for the first time and plan the new four-year term. TC Chairs are invited to contact the Conference Organizing Committee to organize TC meetings.

The Conference is also being held two years after many Danube European countries joined the European Union. The adaptation of these countries to European standards has brought, and continues to bring, many interesting experiences, especially in the field of construction, re-construction, maintenance, and refurbishment of infrastructure.

Conference Topics

- Site characterization for geotechnical and geo-environmental purposes
- Ground improvement and reinforcement, re-use of brown-field sites



- Interactive geotechnical design practice
- Soil structure interaction under static and dynamic loading
- Risk assessment and management
- Development of modern transportation infrastructure: role of geotechnical engineering

Discussion Sessions

There will be a discussion session for each of the main conference topics and will include, a keynote lecture, an overview of submitted papers by the discussion leader, and panel presentations. Floor discussions will be encouraged. The format for each discussion session will be as follows:

Introduction by Session Chair:

5 minutes

Keynote lecture:

30 minutes

Discussion leader:

15 minutes

Panel presentations:

3 x 10 minutes

Discussion:

30 minutes

Closure by Chair:

5 minutes

Practitioners/Academic Forum

The Forum format will follow the one recently held in Osaka, Japan, at the XVI ICSMGE Conference, and the forum scheduled for the 8/CG in Yokohama, Japan, in September 2006. The aim of the Forum is to better understand the current needs of designers and construction companies, and to find possible contributions from the current geotechnical research activities in solving practitioners problems to narrow down the continuously increasing gap between theory and practice in our discipline. The views of clients, designers, contractors and academicians will be presented.

Official Languages

The official languages of the Conference will be English and German. Simultaneous translation will be provided.

For More Information

Additional information on the Social Programs, Technical Visits, Technical Program, Exhibition, etc. can be found on the Conference web site at www.danube-conference2006.si, or contact the Slovenian Geotechnical Society, e-mail: danube.2006@fgg.uni-lj.si

Rencontres Géosynthétiques 06

12 to 14 June 2006, Montpellier, France

Rencontres Géosynthétiques 06 is being held on 12 to 14 June 2006 in Montpellier, France, under the auspices of the IGS. It is a biennial conference organized by the French Chapter of the IGS, Comité Français des Géosynthétiques (CFG). Approximately 200 individuals from France, Canada, Africa, and other European countries are expected to participate, with the official language being French.

The goal of the Conference is to bring together engineers, contractors, producers, and distributors, to exchange ideas, experiences, and case studies on the application of

geosynthetics (geotextile, geomembranes, and related products), sharing their successes and difficulties. The Chair of the Organization Committee is Jean-Pierre Magnan, President of the French Chapter of IGS, and the co-Chairs of the Scientific Committee are Hugues Girard and Jean-Pierre Gourc.

Session Topics

The various uses of geosynthetics in civil engineering and environmental protection will be presented (e.g., oral presentations and posters) with specific sessions devoted to the following topics:

- Landfills and Geosynthetic Lining Systems
- Roads and Railways
- Reinforcement Structures
- Hydraulic Works
- Standardization and Quality Control

Training Course

A training course is being offered the day before the Conference (Monday, 12 June 2006) and is included in the Conference fees. The training course will provide essential background information on geosynthetics and their use in civil engineering works.

Technical Exhibition

In parallel to the Conference, a technical exhibition will be held. More than 30 exhibitors will present the latest geosynthetic products and technologies available on the market (e.g., geotextiles and geomembranes used for drainage,

reinforcement and erosion control; geomembrane welding technologies; and so on).

Contact Information

For more information contact:
Secrétariat des *Rencontres Géosynthétiques 06*

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Fax: 33/1 44 58 28 30
E-mail: bourgain@mail.enpc.fr

5th International Congress on Environmental Geotechnics

Opportunities, Challenges and Responsibilities for Environmental Geotechnics, Cardiff, Wales, UK, 26 to 30 June 2006

The ISSMGE and the British Geotechnical Association (BGA, the British member society of the ISSMGE) are pleased to announce the *Fifth International Congress on Environmental Geotechnics (5ICEG)*, which will be held between the 26 and 30 June 2006 in Cardiff, Wales, UK. The Congress will be held under the auspices of the IGS. **The next IGS Council meetings will take place in conjunction with the 5ICEG.**

The Congress will feature a number of distinguished guest speakers on selected topics of current interest, and contributed papers (selected from those submitted to the Congress). Abstracts have been accepted from approximately 40 countries.

Congress Program

The Congress program consists of a keynote lecture, three feature lectures, nine themed workshop sessions, a dedicated poster session, a parallel exhibition, and a detailed social program.

Keynote Lecture: Dr. M. Eisa, Program Manager, UNIDO, Vienna, "Persistent Organic Pollution - Sustainable Solutions"

Feature Lecture: Prof. Emeritus G. Blight, University of the Witwatersrand, South Africa, "A Survey of Lethal Failures in Municipal Solid Waste Dumps and Landfills"

Feature Lecture: Prof. R. Kerry Rowe, Vice Principal (Research) and Civil Engineering Professor, Queen's University, Canada, "Geosynthetics for Environmental Geotechnics"

Feature Lecture: Dr. M. Head, Director of Infrastructure, TRL Ltd, UK, "Reuse of Waste Material in Construction"

Workshop Sessions

Approximately 300 abstracts were accepted by the 5ICEG committees, and over 200 papers have been received and accepted. All accepted papers have been categorized into the following eight themes:

- Remediation
- Testing and Monitoring
- Fate and Transport of Pollutants
- Waste Reuse and Waste Management
- Sustainability, Regulation and Risk Management
- Barrier Design, including Nuclear Waste Disposal
- Mine Sites, Tailoring Dams, Dredgings and Lagoons
- Tailings, Sludge Ponds, Underwater Geoenvironmental Issues

Environmental Issues

Nine workshop sessions will be organized under the eight key themes listed above. For each session, there will be an opening plenary Session, where invited experts will present the state-of-the-art, supported by well documented case histories and "real industrial examples", followed by a paneled open discussion session where the most challenging aspects of each topic will be cast open for debate. A poster session at the Exhibition Hall will also compliment the plenary and discussion sessions.



Posters and Poster Discussion Sessions (PDSs)

All accepted papers have been invited for paper presentation and poster discussion sessions. The PDSs will consist of short oral presentations (five minutes), posters, and discussion. The number of presentation slots for PDSs are limited, thus, early registration is important.

Congress Secretariat

For more information (e.g., technical tours, social program, etc.):
Dr. David-Huw Owen
5ICEG Congress Secretariat
Geoenvironmental Research Centre
Cardiff School of Engineering
Cardiff University, UK
E-mail: OwenDH@cf.ac.uk
www.grc.cf.ac.uk/5iceg/

IGS MEMBER REMINDER

The recent bylaws ballot for 2004 resulted in unanimous approval to shift to electronic balloting and communication.

Please ensure the IGS Secretariat has received your e-mail address (e-mail us at igssec@aol.com)

Geosynthetics International

An Official Journal of the IGS: Electronic Journal Free to IGS Members

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 £325/US\$585. 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 work not published in full elsewhere and should be sent to any of the following individuals:

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Geotextiles & Geomembranes

An Official Journal of the IGS: Electronic Journal Free to IGS Members

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 infor-

mation 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, which can be found on your IGS mailing label. If you do not know your Membership Number, please contact the IGS Secretariat at IGSsec@aol.com.

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 82.5% discount: US\$154 for six issues. IGS Corporate Members may subscribe at a 59.5% discount: US\$356 for six issues. Please indicate that you are an IGS Member when requesting the special price.

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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/Journals_GG.htm

CORPORATE PROFILE

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.

SEVEN STATES ENTERPRISE

Seven States Enterprise, Ltd. has been a Corporate Member of the IGS since 2005.

Seven States Enterprise Co., Ltd. is one of the major suppliers of geotextiles in Taiwan. Seven States was established in Taiwan in 1990 for geotextiles and Tarpaulin manufacturing, and supplies high-quality products worldwide, particularly geogrids.

All products from "7-STATES" pass quality control tests from their system and are certified LAB according to international standards such as ASTM, GRI, EN-ISO, or others, as requested by clients.

7-STATES products are manufactured using high-tenacity polyester yarn with high molecular

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Major Products: Geogrid, Asphalt Reinforcement (geogrid and geotextile), Tarpaulin

7-STATES products can be used in variety of soil stabilization construction projects and can also be designed and manufactured for specific projects providing optimum solutions to civil engineering problems.



For more information contact:

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Geo-Environmental Engineering 2006
Kyoto, Japan
3-4 April 2006
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geotech.gee.kyoto-u.ac.jp/gee2006/

Two Decades of Geosynthetics in India
Applications of Geosynthetics
New Delhi, India
26-27 April 2006
Contact: Mr. G.N. Mathur, Secretary
E-mail: uday@cbip.org; cbip@cbip.org
www.cbip.org

First Euro Mediterranean Symposium
on Advances in Geomaterials and
Structures
Hammamet, Tunisia
3-5 May 2006
E-mail: hedi.hassiss@enit.rnu.tn

Seventh International Congress on Civil
Engineering - 7th ICCE
Tehran, Iran
8-10 May 2006
E-mail: Registration@icce7th.com
www.icce7th.com

Third International Symposium on
Contaminated Sediments
Shizuoka, Japan
23-25 May 2006
Contact: Masaharu Fukue
E-mail: fukue@scc.u-tokai.ac.jp
soildyn.oc.u-tokai.ac.jp/~iscs2006/

XIIIth Danube-European Conference
on Geotechnical Engineering
Ljubljana, Slovenia
29-31 May 2006
E-mail: danube.2006@fgg.uni-lj.si
www.danube-conference2006.si

5th Hellenic Conference in
Geotechnical and Geoenvironmental
Engineering
Xanthi, Thrace, Greece
31 May-2 June 2006
E-mail: notina@tee.gr

GeoShanghai International Conference
Shanghai, China
6-8 June 2006
Contact: Dr. Jie Han
E-mail: jiehan@ku.edu
www.geoshanghai.org

Rencontres Géosynthétiques 06
Montpellier, France
12-14 June 2006
Contact: Françoise Bourgain
E-mail: bourgain@mail.enpc.fr

CIWM 2006: Changing the Face of
Waste Management
Paignton, Torbay, United Kingdom
13-16 June 2006
E-mail: events@ciwm.co.uk
www.ciwm.co.uk/jpm/414

5th International Congress on
Environmental Geotechnics
Cardiff, Wales, United Kingdom
26-30 June 2006
Contact: Dr. David-Huw Owen
E-mail: OwenDH@cf.ac.uk
www.grc.cf.ac.uk/5iceg

17th European Young Geotechnical
Engineers' Conference (EYGEC) 2006
Zagreb, Croatia (Hrvatska)
20-22 July 2006
Contact: Prof. Vlasta Szavits-Nossan
E-mail: svlasta@grad.hr

International Conference on Physical
Modelling in Geotechnics
Hong Kong, China
4-6 August 2006
Contact: Ms. Shirley Tse
E-mail: gcf@ust.hk
ihome.ust.hk/~gcf/ICPMG2006/index.htm

COBRAMSEG 2006
Parana, Brazil
27 August 2006
Contact: Prof. Alessander Kormann
E-mail: alessander@ufpr.br
www.cobramseg2006.com.br

VIth European Conference on
Numerical Methods in Geotechnical
Engineering
Graz, Austria
6-8 September 2006
E-mail: florian.scharinger@tugraz.at
www.numge06.tugraz.at

8th International Conference on
Geosynthetics (8ICG)
Yokohama, Japan
18-22 September 2006
Contact: **8ICG Conference Secretary**
E-mail: info@8icg-yokohama.org
www.8icg-yokohama.org

International Solid Waste Association
2006 World Congress
Copenhagen, Denmark
1-5 October 2006
www.iswa2006.dk

IV International Conference on Soft Soil
Engineering
Vancouver, British Columbia, Canada
4-6 October 2006
Contact: Dr. Dave Chan
E-mail: dave.chan@ualberta.ca
ravenweb.civil.ualberta.ca/icsse

XI Congreso Colombiano de Geotecnia/
VI Congreso Suramericano de
Mecánica de Rocas
Cartagena, Colombia
8-13 October 2006
E-mail: scg1@colomsat.net.co
www.scg.org.co

III International Conference on Scour
and Erosion

Amsterdam, The Netherlands
1-3 November 2006
Contact: Cora Hoogeveen
E-mail: mail@icse2006.org

Second National Geosynthetics
Conference
Bebek, Istanbul
16-17 November 2006
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Geosynthetics 2007
Washington, DC, USA
16-18 January 2007
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Mechanics Of Unsaturated Soils
Bauhaus-Universität Weimar, Germany
7-9 March 2007
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cns4.de/uss2007/default.aspx

3rd Asian Conference on Unsaturated
Soils
Nanjing, China
21-23 April 2007
Contact: Dr Abraham C.F. Chiu
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IV International Conference on
Earthquake Geotechnical Engineering
Thessaloniki, Greece
25-28 June 2007
Contact: Prof. Kyriazis Pitilakis
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www.4icege.org

14th European Conference on Soil
Mechanics and Geotechnical
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Madrid, Spain
24-27 September 2007
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10th Australia - New Zealand
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13th Asian Regional Conference on
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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.

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First, to contribute to the development of our profession.

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- help support the aims of the IGS, especially the development of geotextiles, geomembranes, related products, and associated technologies;
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- provide a forum for designers, manufacturers, and users, where new ideas can be exchanged and contacts improved; and
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