

# 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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## 7th International Conference on Geosynthetics, Nice, France: The Scientific Program is Right on Track!

by Jean Pierre Gourc, Hugues Girard, and Daniele Cazzuffi

**T**he 7th International Conference on Geosynthetics, which will be held in Nice (French Riviera) 22 to 27 September 2002, is already a success due to the large number of abstracts received.

The abstracts were evaluated and selected by the Conference Scientific Committee, which has a significant international representation as evidenced by the following:

#### Scientific Board

- J.P. Gourc, Chairman
- H. Girard, Secretary
- P. Bourdeau, International Relations

#### International Review Panel

- 89 reviewers from 32 countries, who review the abstracts (every abstract is evaluated by three reviewers) and the final papers.

#### International Selection Committee

- five members, who selected abstracts on the basis of the reviewers evaluations; the Committee

Members are: D. Cazzuffi (Italy), J. Greenwood (UK), M. Heibaum (Germany), D. Leshchinsky (USA), and F. Tatsuoka (Japan).

The International Selection Committee is also responsible for preparation of the Keynote Lectures, Special Sessions, and finalising of the Conference schedule.

The first meeting of the International Selection Committee (ISC) was held for two days in July 2001 in Nice, France. The selection of abstracts proved to be a difficult task; 370 abstracts were accepted, which is a significant increase in comparison to previous international conferences. At the second ISC meeting in May 2002, the papers will be divided into oral and poster presentations.

It was decided, with the agreement of the ISC, to add more than 15 Special Sessions to the conventional parallel sessions on specific topics of interest (e.g., soil-geosynthetic interface inter-

action, filtration, geomembranes, standard tests, design software, reinforced structures under seismic conditions, containers, durability, sinkholes, installation damage, micro-reinforcement, erosion control, and education).

Every Special Session will be managed by a "Leader" and a "Co-Leader", who are invited to prepare the Session, one year before the event, with the cooperation of the authors of accepted abstracts and also additional experts. It is expected that this new session feature will widen Conference participation.

It was also decided to introduce some innovation to the Keynote Lecture structure. As a result, younger Lecturers, representative of the future of the Geosynthetics discipline were chosen:

- joint lecture: M. Bouazza (Australia), D. Adam (Austria), and J. Zornberg (USA) on "Landfills"
- joint lecture: E.M. Palmeira (Brazil) and J. Fannin (Canada) on "Filtration"

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- joint lecture: A. Watn (Norway) and S.H. Chew (Singapore) on “Geosynthetics Damage”
- joint lecture: P. Villard (France), N. Kotake (Japan), and J. Otani (Japan)

on “Modelling Soil-Geosynthetic Interaction”

In addition, the Giroud Lecture will be presented by R.K. Rowe (Canada).

The 7th International Conference on Geosynthetics in Nice, France, in September 2002, is shaping up to be a scientific success!

## Geosynthetic Conference 2001 Portland, Oregon, USA, 12 to 14 February 2001

**G**eosynthetic Conference 2001 was held on 12 to 14 February 2001 in Portland, Oregon, USA. The Conference theme was “*Economics, Performance and Constructibility Advantages of Geosynthetics*”.

The Conference was organised by the Industrial Fabrics Association International (IFAI), the North American Geosynthetics Society (NAGS), and the Geosynthetic Materials Association (GMA) under the auspices of the IGS.

### NAGS Awards of Excellence Program

The NAGS Awards of Excellence program is dedicated to recognising those individuals who wrote exceptional papers for the *Geosynthetics Conference 2001*. The submitted technical papers were evaluated for innovation, creativity, and outstanding contributions in the geosynthetics industry. The grand award winner received a check for \$10,000 to be given to an educational institution for research. The

papers were organised into the following four categories:

- Environmental Technology
- Research and Development
- State of Practice
- Geotechnical Engineering

The winner in each of the four categories is as follows:

- *Environmental Technology Award*: “Innovative Hybrid RECP-Lined Drainage Channel: Design, Construction and Performance” by G.L. Armstrong.
- *Research and Development Award*: “Manufacturing Variability of Coextruded Geomembrane Surface Texture” by J.E. Dove, M.W. Adams, and M.L. Johnson.
- *State of Practice Award*: “It’s Time to Update CQA Testing of Geomembranes” by J.A. Bove and J.D. Barnard.
- *Geotechnical Engineering Award*: “Geomembrane Liner for Spillway

Approach Canal Seepage Reduction” by D.A. Vessely, N. T. Mirafuente, W. Shallenberger, and K.M. Hartfeil.

- *Grand Award*: “Exposed Geomembrane Cover Systems: Technology Summary” by M.H. Gleason, M.F. Houlihan, and J.R. Palutis.

### NAGS Student Awards

Captain Don Saunders is the winner of the NAGS Student Paper Competition for his paper titled, “The Performance of a Full-Scale Polyester Geogrid Reinforced Segmental Retaining Wall”. Capt. Saunders is a graduate of the Civil Engineering Master’s Program at the Royal Military College of Canada, Kingston, Ontario, Canada.

The five other students who presented their research were:

- *Fabiana Arriaga (University of Colorado at Boulder)*: “Strain Distribution in Geosynthetic-Reinforced Slopes Using Digital Image



**NAGS Student Paper Competition participants at Geosynthetic Conference 2001 (left to right):** Mr. Ahmet Aydilek, University of Wisconsin at Madison (finalist); Captain Don Saunders, Royal Military College of Canada (winner); Mr. Mostafa Elseifi, Virginia Polytechnic Institute and State University (finalist); Ms. Valerie Zofchak, Drexel University (finalist); Mr. Ahmet Pamuk, Rensselaer Polytechnic Institute (finalist); Ms. Fabiana Arriaga, University of Colorado at Boulder (finalist).



**Captain Don Saunders, the winner of the NAGS Student Paper Competition, being congratulated by IGS President and Master’s supervisor, Dr. Richard J. Bathurst at Geosynthetics Conference 2001, Portland, Oregon, USA.**

Analysis”

- *Ahmet H. Aydilek (University of Wisconsin at Madison): “Field Performance of Geotextile Reinforced Sludge Caps”*
- *Mostafa Elseifi (Virginia Polytechnic Institute and State University): “Stress Absorption Mechanism of Geocomposite Membrane in Flexible Pavement Systems”*

- *Ahmet Pamuk (Rensselaer Polytechnic Institute): “Effects of Sustained and Repeated Tensile Loads on Geogrid Embedded in Clay”*
- *Valerie Zofchak (Drexel University): “Performance Requirements for Geotubes”*

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*reported by Karina Labinaz*  
IGS News Editor

## The First IGS Service Award Recipient: Dr. David Elton

**T**he recipient of the first IGS Service Award is Dr. David Elton, the Past Editor of *IGS News*.

Dr. Elton is a Civil Engineering Professor at Auburn University in Auburn, Alabama, USA. He served as Editor of *IGS News* from November 1994 to July 1999, generating a total of 15 issues of the Newsletter!

As his successor, I can say with utmost certainty that he has devoted hundreds of hours to the Society. His efforts have resulted in a high-quality Newsletter, which has enabled Members around the world to be kept up-to-date on the Society’s current events and news.

The qualification for the Service Award is one of the following:

- long-time service to the IGS as an Officer;
- long-time service to the IGS as an IGS Council Member, while during that time tasks have been performed that are of utmost importance to the IGS; and

- Members who have carried out tasks for the IGS that have been decisive for the functioning and future of the IGS.

The IGS Council approves the nomination of an individual based on the advice of the IGS Officers.

The IGS Service Award consists of a gold IGS logo pin, in addition to an award diploma.

As the new Editor of *IGS News*, I have come to realise that a tremendous effort is required to publish each issue of the Newsletter and I hope to continue Dave’s example of excellence.

On behalf of the IGS President, Richard J. Bathurst, all of the other IGS Officers, and myself, congratulations Dave to a

job well done!

*reported by Karina Labinaz*  
IGS News Editor



**Dr. David Elton, Past Editor of *IGS News* receiving the IGS Service Award from Dr. Richard J. Bathurst, IGS President, at the *Geosynthetic Conference 2001* in Portland, Oregon, USA, February 2001.**

## Call for Candidates for the IGS President, Vice-President, and IGS Council: Term 2002 to 2006

### IGS Council Member Election

The IGS bylaws prescribe that up to half of the Council be elected every two years. Therefore, a postal ballot election will be held in May 2002 to elect eight Members to the IGS Council for a four-year term, starting in July 2002.

The eight IGS Council Members, whose term of office expires in June 2002, are:

- J. Collin (USA)
- S.P. Corbet (United Kingdom)
- Ph. Delmas (France)
- J.P. Gourc (France)
- G. Heerten (Germany)
- P. Rimoldi (Italy)
- P.E. Stevenson (USA)
- F. Tatsuoka (Japan)

The IGS bylaws stipulate that a

Council Member may serve two consecutive terms; hence, Dr. Ph. Delmas and Mr. P.E. Stevenson are eligible for re-election. They will have completed one, four-year term as Council Members by June 2002. Dr. Ph. Delmas and Mr. P.E. Stevenson have declared their intent to stand for re-election.

The IGS encourages any IGS Member, who is able to attend all IGS Council meetings, to consider standing for

one of the Council positions. It is important that all geographical regions are represented on the Council and that its Members reflect the scope of the geosynthetics discipline.

### **IGS President and Vice-President Elections**

The next IGS President and Vice-President will be elected at the Ordinary General Assembly to be held at the *Seventh International Conference on Geosynthetics (7<sup>th</sup> ICG)* in Nice, France, 22 to 27 September 2002.

According to the bylaws of the IGS, Prof. R.J. Bathurst will become an Officer of the IGS in his capacity as Immediate Past-President of the IGS following the Ordinary General Assembly. The Secretary and Treasurer, who are the other two officers of the IGS, will be elected by the new IGS Council from amongst its Members at a meeting of the IGS Council that will be held in Nice, France, after the Ordinary General Assembly. The election of the IGS President, Vice-President, Secretary,

Treasurer, and the eight new Council Members and the appointment of the Immediate Past-President will be for a four-year period.

### **Information/Instructions for All Candidates**

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

A signed letter of application together with a biographical note (not exceeding 12 lines) and a photograph should reach the IGS Secretary no later than **31 January 2002**. Candidates must strictly adhere to the 12 line limit to ensure equal presentation space for all candidates. In their letter to the IGS Secretary, candidates must clearly identify their country of residence and position for which they are seeking election. IGS Members may run for more than one

position, in which case a separate statement for each position is required.

Biographical notes, which do not exceed 12 lines, will be published in the March 2002 issue of *IGS News* (with the photo), on the IGS World Wide Web home page, and in the postal-ballot package sent to each IGS Member.

The next IGS Council meeting, following the election of new Council Members, will be held in conjunction with the *7<sup>th</sup> ICG*, 22 to 27 September 2002. At least three additional meetings will be held for those Members whose terms expire in 2006. Typically, these meetings are held in Asia, Europe, and North America.

Should you need further information, please contact the Secretary of the IGS, Mr. P. Stevenson, or the IGS President, Prof. R.J. Bathurst (see contact information on p. 15).

*reported by Richard J. Bathurst*  
IGS President

## **IGS Awards: Call for Nominations 1998 to 2001**

### **Nominations due 31 January 2002**

**I**GS Awards will be granted in 2002 to individuals or groups of individuals who have made an outstanding contribution to the development and use of geotextiles, geomembranes, related products, or associated technologies through their scientific and technological achievements.

The Awards recognise the achievements completed and/or the validity of which has been demonstrated during a four-year period preceding the year of the Award (i.e., 1998 through 2001 inclusive). The awards will be presented at the IGS General Assembly to be held during the *7th International Conference on Geosynthetics*, 22 to 27 September 2002 in Nice, France.

The winning entries will also be featured at the IGS booth at any conference held under the auspices of the IGS and will be publicised in *IGS News*, in a special press release on the IGS World Wide Web home page, and in other publications.

Nominations must be received by the Secretary of the IGS no later than 31 January 2002 (submissions are due 31 March 2002).

#### **The Two IGS Awards**

##### *The Young IGS Member Award*

This Award is for IGS Members who are less than 36 years of age on 31 December 2001.

##### *The IGS Award*

A maximum of five IGS Awards will be granted. Each award will consist of a specially commissioned medal and a diploma.

#### **Candidates**

At least one candidate must be a Member of the IGS. Each entry is restricted to a maximum of four persons. All IGS Members are eligible with the exception of the President of the IGS and the Members of the Awards Committee.

In the case of a group submission to the Young IGS Member Achievement

Award all members of the group must satisfy the age requirement. Any individual or group that is a candidate for the Young IGS Member Achievement Award is automatically considered for both award categories (unless requested otherwise by the candidate). However, a candidate may only receive one award for the 1998 to 2001 period.

#### **Nominations**

Candidate nominations must be typed in English on plain paper (i.e., not letterhead paper) and submitted to the IGS Secretariat (see address on p. 15) by **31 March 2002**. The nomination should include:

- a clear statement of the contribution of the candidate that is to be considered (e.g., if the contribution is a product, provide a clear definition of the product; if it is a paper(s) or book, provide a full reference for the paper(s)/book; if it is a report, provide a full reference for the

report; if it is a construction method, provide a clear description of the method and any references, etc.) and;

- a statement indicating the originality and significance of the candidate's contribution to the discipline (i.e., in the field of geotextiles, geomembranes, related products and/or associated technologies).

Nominations may be made by any IGS Member except for Members of the Awards Committee. Under the IGS Awards rules any IGS Member can nominate himself/herself for any award. The Publications Committee, Education Committee, Corporate Mem-

bers Committee, and IGS Chapters will be invited to make nominations.

Candidates who have been nominated will be contacted by the IGS Secretary. Candidates will be asked to agree to stand for an award and will be required to submit materials as directed by the Awards Committee. All nominations and award entries will be carried out in the strictest confidence by the IGS Secretary and the Awards Committee.

#### **IGS Awards Committee**

The Awards Committee will comprise five regular members including the Chair (all Members will be appointed by the IGS Officers). The Members

will be selected so as to represent a broad cross section of geosynthetic-related technologies and experience. The IGS Secretary will attend all meetings of the Awards Committee as an observer and coordinator.

#### **Additional Information**

The full text of the IGS Awards rules can be obtained by contacting the IGS Secretary, Mr. Peter Stevenson, at the address given on p. 15 of this issue of *IGS News*.

*reported by Richard J. Bathurst*  
IGS President

## **IGS Student Awards Program and the Seventh International Conference on Geosynthetics Graduate Student Paper Competition**

**Deadline for Student Nominations 30 November 2001**

### **Student Awards Program**

The IGS Student Awards will continue its successful inauguration with the second Award period of 2001 to 2002. The Awards will be assigned in the year 2002, and all successful candidates will attend the Seventh International Conference on Geosynthetics (7ICG) (Nice, France, 22 to 27 September 2002). The IGS Student Award was established to disseminate knowledge and to improve communication and understanding of geotextiles, geomembranes, related products, and associated technologies among young geotechnical and geoenvironmental student engineers around the world. An IGS Student Award will consist of a cheque of US\$1,000 for each winner. This award amount must be used to cover conference participation costs (i.e., travel, accommodation, etc.). An IGS Student Award will be assigned to only one student per Chapter; the selected student should be a M.Sc. or Ph.D. student. Students must be no older than 35 in the year the award is granted. To ensure student representatives from each Chapter participate in the program to the fullest extent possible the Chapters must accomplish the following:

- Each Chapter must hold a contest or conduct a nomination process to select the student candidate to represent them.
- Chapters must notify the IGS of the name of the student selected by **30 November 2001**. The IGS will transfer funds to the student immediately upon receipt of chapter notification.

To insure the maximum benefit to the student, the organisers of the 7ICG conference will:

- Provide a copy of the proceedings to the student.
- Provide admission to the sessions for the student.
- Organise a special student event (see below).
- Conference organisers are not required to provide the students with admission to social events.

### **Student Paper Competition**

Each student selected by the Chapter to receive an IGS Student Award is also invited to submit a one page abstract of a paper for presentation at a special Graduate Student Paper Session organised by the 7ICG. This is not a compulsory requirement for each Chapter student

nominee but each chapter is encouraged to select a student who is willing to submit an abstract for the student paper session. The following rules apply:

- The student must be the sole author of the proposed paper.
- The paper must be on geosynthetics in civil, geotechnical or geoenvironmental engineering. Papers may be on theoretical concepts, design, applications, testing or other topics related to geosynthetics.
- The abstract must be submitted in electronic form to the IGS Secretariat (igssec@aol.com) by **30 November 2001**.
- The six best abstracts will be determined by a committee of the 7ICG chaired by Professor André Rollin. Selected students will be invited to submit a full paper for presentation. Paper format guidelines will accompany notification of accepted papers by **10 January 2002**.
- Full papers must be received by the conference organisers by **28 February 2002**.
- The six selected papers will be included in the Conference proceedings.

- The best paper based on quality of the written paper and presentation at the student session will be decided by a panel of experts.

## Korea Chapter

During 2000, the IGS Korea Chapter (IGS-KC) put forth a great effort to expand the organisation in terms of its membership, as well as the member services and benefits. Among the various Chapter activities, the IGS-KC announced our new website (<http://www.kgss.or.kr>). The website is user friendly and includes the following information about the IGS-KC:

- IGS-KC Officers,
- news/announcements,
- current activities, and
- IGS-KC Newsletters.

In addition, the IGS-KC has unanimously decided to host *GeoAsia 2004* in Korea.

The IGS-KC organised the *2000 National Geosynthetics Conference*, which was held on 1 December 2000 in Seoul. During the Conference, two Keynote Lectures were given, one by Prof. Moon-Jung Wu of Youngnam University and the other by Prof. S. L. Lee of National University of Singapore. A total of 13 technical papers were presented.

The Chapter also co-organised the *2000 Special Seminar on Geosynthetics* with the Geosynthetics Committee of the Korean Geotechnical Society on 22 September 2000 in Seoul. Nine technical papers were presented on various geosynthetics topics. The seminar was developed to increase awareness and to provide demonstrated innovations and cost-saving information on geosynthetics as construction alternatives.

*reported by Chunsik Yoo  
Korea Chapter Secretary*

## Netherlands Chapter

The Netherlands Chapter (IGSN) started in 2000 with 121 members.

- The best paper winner will receive a prize from the 7ICG Organising Committee.

## IGS Chapter Reports

### Current IGSN Officers

- *President:* Louis de Quelerij
- *Vice-President:* Fred Jonker
- *Secretary:* Andries Steerenberg
- *Treasurer:* Max Nods

### 2000 IGSN Chapter Activities

- The General Assembly of NGO/IGSN was held on 12 April in Utrecht and on 2 November in Leidschendam.
- A lecture on "Geosynthetics in Road Construction" was given on 12 April by ir. E. Beuving (CROW), ir. A. de Bondt (Ooms Avenhorn Holding BV), H. Grootveld (DWW), and Dr. ir. G. van Gorp (KOAC Wegmeetdienst).
- A six course lecture series on the use of geosynthetics was given in May for Dutch polytechnic students and was attended by 14 students.
- A lecture on "Geosystems in River and Coastal Works" was given on 6 June by ir. E. Berendsen (DWW/BD), D. Bodegom, ing. J. Spelt (Boskalis BV), J. Huijbers (Van den Herik BV), ir. G.J. Schaap (Ten Cate Nicolon BV), and ir. A. Bezuijen (Geodelft).
- A lecture on "Geosynthetic-Reinforced Walls" was given on 14 September by ir. H. Jansen (Fugro Ingenieursbureau BV) and ir. E. Calle (Geodelft).
- Three IGSN membership information pamphlets and three *Magazine Geokunst* issues were published and distributed to all IGSN Members.

### 2001 Activities

- *22 March:* seminar on, Geosynthetics in Landfills and Retaining Walls, by Prof. Robert M. Koerner
- *25 June:* seminar on, Lifetime Aspects of Geosynthetics

*reported by Andries Steerenberg  
Netherlands Chapter Secretary*

*reported by Richard J. Bathurst, IGS  
President, and André Rollin*

## West Pacific Chapter

The IGS West Pacific (IGS-WP) Chapter elected a new Chair, Dr. Rong-Her Jimmy Chen, on 30 May 2001. Dr. Chen is currently a Geotechnical Engineering Professor at the National Taiwan University, Taiwan, and is the acting President of the main professional geotechnical engineering organisation, the Taiwan Geotechnical Society. He has participated in geosynthetics-related research, such as soil reinforcement, landfills, and geosynthetic-soil interaction, for more than 15 years.

From 1999 to 2001, the IGS-WP co-hosted/sponsored many international/domestic activities with many local sister organisations such as the Chinese Geosynthetics Association (CGA) and the Taiwan Geotechnical Society (TGS). These activities included: (i) Chi-Chi Earthquake Annual Symposium, (ii) IGS-WP and CGA joint lecture, "Geosynthetics Applications in Roadway Engineering" given by Professor Robert D. Holtz from the University of Washington, Washington, USA, and (iii) two professional workshops on "Material Testing, Design, Construction of Geosynthetics Reinforced Retaining Structures".

From 19 to 20 November 2001, the IGS-WP is planning to host the *1st International Geosynthetic Engineering Forum* in Taipei, Taiwan. The theme of the Forum is "Seismic Design and Performance of Mechanically Stabilised Earth (MSE) Retaining Structures". The objectives of the Forum are to:

1. synthesise valuable seismic performance data of MSE retaining structures from the three largest earthquakes of the century, Taiwan Chi-Chi earthquake, El Salvador earthquake, and the recent Seattle earthquake;
2. evaluate the present seismic design of MSE retaining structures;

3. provide verification of recent research developments on the seismic design of MSE retaining structures; and
4. promote geosynthetics engineering practice in the Southeast Asia region.

The Forum will include:

- *Invited Keynote Lectures:* Professor R.J. Bathurst from the Royal Military College of Canada, Professor Chen from National Taiwan University, Taiwan, and Mr. B. Christopher from Georgia, USA, and more;
- *Two Special Lectures:* Professor Gourc from Université Joseph Fourier, France and Professor Wu from University of Colorado, USA;
- *Solicited paper presentations* related to the forum topics; and
- *A full panel discussion on* “Seismic Design of Mechanically Stabilised Earth Retaining Structures – Improvement, Research Needs, and Specifications”.

For more information on forum contents, paper submission, and registration, visit the IGS-WP website at <http://ind.ntou.edu.tw/~sslin/IGSnew.htm> or contact Dr. Wei F. Lee at the Taiwan Construction Research Institute (e-mail: [weilee@tcri.org.tw](mailto:weilee@tcri.org.tw), Tel: 886/2 2912 1323 ext. 702, Fax: 886/2 8665 9747).

*reported by San-Shyan Lin  
West Pacific Chapter Correspondent*

## Belgium Chapter

The Belgian Committee for Geosynthetics was established in 1993 and, last year, decided to change its name to the Belgian Geosynthetics Society (BGS) and to seek affiliation with the IGS.

The primary goals of the Committee were to organise geosynthetic information sessions and develop geosynthetics standards. European standardisation had just started, and there was a need to form a Belgian mirror committee to prepare CEN meetings and to define the Belgian position. The CEN/Technical Committee (TC) 189 Secretariat has been in Belgium (and, at the time, also the Chair) since

the formation of the TC in 1989.

The BGS holds an Annual General Meeting (AGM) every June. The 2001 AGM was held in Brussels on 19 June; and an overview of the past year’s activities was presented.

The BGS has renewed its image, not only by a change of name, but also by developing a new logo and – in the near future – by creating its own website. BGS has four working groups: education, insurance, standardisation, and design.

BGS organised a “Tour of Belgium” where lectures on geosynthetics and their applications were given at a number of universities and high schools.

The BGS has also published two brochures. One provides an overview (with abstracts) of the publications written by BGS Members over the last five years. The other brochure presents a summary of the recently published European standards (product application standards and supporting test standards).

The BGS AGM always includes a lecture. This year’s theme was “Standards and Certification”. Mr. Fred Foubert, Secretary of both BGS and CEN/TC 189, presented the evolution of European standardisation and the content of the recently published package of ten harmonised European standards. A preview of the future EC-marking and certification was also given.

*reported by Fred Foubert  
Belgium Chapter Secretary*

## South African Chapter

*New Committee for GIGSA*

Subsequent to a postal ballot held in early 2001, the Executive Committee for the next two years will be:

- Kelvin Legge (President)
- Liza du Preez (Vice-President)
- Kim Barnard (Secretary)
- Falk Hedrich (Treasurer)

*Other Committee Members are:*

- Anton Bain (Standards)
- Pieter Conradie (Western Cape Chair)
- Peter Davies (Newsletter Editor)

- Rod Drayton (Events Organiser)
- Mark Duffel (Member Without Portfolio)
- Pieter Oosthuizen (Membership Secretary)
- Garth James (Kwazulu-Natal Chair)

*President's Report Delivered at Annual General Meeting Held in Midrand*

GIGSA President Kelvin Legge delivered the following report at the Annual General Meeting on 6 November 2000.

The past two years of GIGSA activity saw distinct changes occurring, although some traditional activities continued.

Two site visits were arranged to learn from installation experiences in progress: (i) the TSB landfill in Mpumalanga where a GCL was used in the primary liner, (ii) and the DWAF remediation works at Brugspruit where a FML system was being installed. The latter was cancelled due to lack of participant interest, following which the lining contractor hosted a visit for those who had expressed interest.

Although the distressed state of the South African economy has not been conducive to holding many events, the Committee was kept busy on training, competitions, and ethics.

Three allegations of transgression of the code of ethics were heard in accordance with a procedure developed following the first event. The first two cases were resolved by a meeting of the parties and a marathon facilitation session, respectively. Action in the third case is imminent.

Newsletters augmented with educational material were distributed on six occasions and the introduction of electronic distribution has reduced costs and increased circulation. This is an advantage especially to our benefactors.

An award standard has been introduced for three categories: “Technical Excellence”, “Construction”, and “Outstanding Services to the South African Geosynthetics Industry”.

The first recipient of the “Outstanding Services to the South African Geosynthetics Industry” award was Glen Lawson: recently retired Managing Director of Kaytech Geosynthetic

Solutions.

Three successful GCL courses were held in November 2000. On behalf of GIGSA, Kent von Maubeuge of Naue Fasertechnik in Germany presented excellent short courses on the practical design of lining systems incorporating geosynthetic clay liners (GCLs). These were held at the Development Bank of South Africa (DBSA) on 6 November, where approximately 50 GIGSA Members and guests attended. The course was also held in Durban and Cape Town on the 8 and 10 November 2000, where each course was attended by approximately 35 delegates.

The delegates universally agreed that the course content was professional, useful, and of excellent value. Naue sponsored the cost of Kent's trip to and from South Africa, and GIGSA's education fund provided all the local costs. Kent has very kindly made his programme material available to South Africa specifiers, and interested parties are invited to contact Peter Davies to make arrangements for the delivery of this material. Delegates are also entitled to a certificate for three "Continuing Professional Development" hours.

*Interesting GIGSA Visit to Holfontein Hazardous Waste Disposal Site*  
On 22 November 2000, 48 GIGSA members and guests attended a site inspection to view the construction of the new Holfontein Cell 6A. Holfontein is Gauteng's only hazardous waste site and the owners, Enviroserv (working closely with the Department of Water Affairs and Forestry and the Gauteng Department of the Environment), are using multiple geosynthetic components in the numerous barrier systems employed at this facility.

The inspection was preceded by an interesting and informative presentation on the design details of Cell 6A, by

Jonathan Shamrock and Liza du Preez (Enviroserv's consulting engineers).

*reported by Peter Davies  
South African Chapter Newsletter Editor*

## Indian Chapter

*Executive Committee for 2001 to 2002*

- *President:* Professor G.V. Rao
- *Vice-President:* Mr. N.B. Desai
- *Members:* Dr. K. Balan, Mr. S. Biswas, Mr. V. Elangovan, Dr. K. Jayachandran, Mr. D.G. Kadekade, Mr. A.M. Nerurkar, Lt. Gen. A.K. Puri, Mr. S.S. Sarkar, Dr. R. Sivashankar, and Mr. A. Arora
- *Secretary/Treasurer:* Mr. S.P. Kaushish

*Past Seminars*

- *National Seminar* on "Coir Geotextiles-Environmental Perspectives", 17 November 2000, at the Indian Institute of Technology, New Delhi
- *Second National Seminar* on "Coir Geotextiles" in Guwahati, 27 to 28 April 2001

Both seminars were sponsored by The Kerala State Coir Corporation Ltd., Allappuzha, India, to disseminate information on various new products that are being developed for erosion control and ground improvement

- *National Seminar* on "Application of Jute Geotextiles in Civil Engineering", 18 May 2001, New Delhi, sponsored by the Jute Manufacturer's Development Council, Kolkata

*Recent Publications*

- *Coir Geotextiles – Emerging Trends*, G.V. Rao and K. Balan, Editors, pub-

lished by The Kerala State Coir Corporation, Allappuzha, India

- *A Manual on the Use of Jute Geotextiles in Civil Engineering*, published by the Jute Manufacturer's Development Council, Kolkata

Further details on these publications can be obtained from the IGS India Chapter Secretariat.

*reported by G.Venkatappa Rao  
Indian Chapter President*

## Peruvian Chapter

The Peruvian IGS Chapter was formed in January 2001 and currently has 25 Members. To date, 13 meetings of the Executive Committee and three General Meetings have been held.

In March 2001, a general seminar on geosynthetics was held in cooperation with Maccaffferri del Perú.

Future plans involve developing a course on construction materials for university professors, which will result in the creation of new university geosynthetics courses in Perú. Accordingly, we have received the cooperation of Dr. Ennio Palmeira from the Brazilian IGS Chapter and Mr. Jim Paul, IGS Education Committee. We are also planning the *First National Conference on Geosynthetics* for 2002.

*Peruvian IGS Officers*

- *President:* G. Vivar
- *1st Vice-President:* C. Zevallos
- *2nd Vice-President:* P. Giacchetti
- *Secretary:* A. Concha-Fernández
- *Treasurer:* V. de la Piedra

*reported by Germán Vivar  
Peruvian Chapter President*

# International Symposium on Earth Reinforcement IS Kyushu 2001, Fukuoka, Kyushu, Japan, 14 to 16 November 2001

## Introduction

The *International Symposium on Earth Reinforcement, IS Kyushu 2001*, is a continuation of the three previous inter-

national symposia *IS Kyushu '88, '92,* and *'96*, which provided successful contributions to the development of earth reinforcement.

## Date and Venue

*IS Kyushu 2001*, will be held in Fukuoka, Kyushu, Japan, 14 to 16 November 2001.



The Symposium will be held under the auspices of the Japanese Geotechnical Society (JGS) and the International Society for Soil Mechanics and Geotechnical Engineering Technical Committee No. 9 (ISSMGE TC 9, Geosynthetics and Earth Reinforcement) with support from the IGS.

### Themes

The Symposium will cover earth reinforcement techniques for the following structures: embankments, walls, foundations, and slopes and excavations.

Emphasis will be placed on the following topics:

- standardisation of testing methods,
- standardisation of design methods,
- limit-state design/performance-based design,
- numerical methods for designs,
- long-term performance under severe loading,

- monitoring systems, and
- case histories and databases.

### Program

The three-day Symposium will include: Special and Keynote Lectures; oral presentations and discussions; summary discussions; poster presentations; and technical exhibitions.

### Special Lecture

*Prof. Richard J. Bathurst (Canada)*

“Recent full-scale testing of reinforced soil walls and implications to design”

### Keynote Lectures

“Insights from consideration of case histories involving reinforced embankments, slopes and walls” by Prof. R. Kerry Rowe (Canada)

“Issues facing reinforced soil structures in Asia” by Mr. Chris Lawson (Malaysia)

“Earth reinforcement practice for natural slopes” by Mr. Minoru Hirano (Japan)

“Application of geosynthetics for retaining wall slopes for long-term performance” by Mr. Guy R.A. Watts (United Kingdom)

“An outlook on recent research and development concerning long-term performance and extreme pressure” by Dr. Osamu Murata (Japan)

### Official Language

English

### Please direct all correspondence to:

Prof. Hidetoshi Ochiai  
Dept. of Civil Engineering (Suiko)  
Kyushu University, 6-10-1, Hakozaki  
Higashi-ku, Fukuoka 812-8581, Japan  
Tel. and Fax: 81/92 642 3285  
E-mail: iskyushu@civil.kyushu-u.ac.jp

## *International Symposium on Clay Geosynthetic Barriers IS Nuremberg 2002, Bulletin 1: Call for Papers*

**16 to 17 April 2002, Nuremberg, Germany**

### Symposium Objective

The objective of the *International Symposium on Clay Geosynthetic Barriers, IS Nuremberg 2002*, is to offer an opportunity for scientific and technical exchange between experts in the various disciplines related to clay geosynthetic barriers, i.e., geosynthetic clay liners (GCLs). *IS Nuremberg 2002* is being organised by LGA, Nuremberg, Germany, and the Geosynthetics Institute, Folsom, Pennsylvania, USA, under the auspices of the IGS.

### Symposium Topics

The Symposium will be the ideal occasion to obtain an overview of the following multiple applications of clay geosynthetic barriers:

- Applications in civil engineering, hydraulic structures (dams, canals, reservoirs, roads, railways, tunnels), environmental protection, solid waste landfills, transportation systems, effluent and retention basins, protection of water resources, etc.

- Long-term durability (shear behaviour, desiccation, and fibre strength)
- Test methods (standardisation, laboratory, and field tests)
- Clay mineralogy (cation exchange and swelling behaviour)
- Recommendations (requirements, design, specification, assessment, and certification)
- Research needs and directions

### Scientific and Technical Programme

There will be four Keynote Lectures in addition to oral presentations of all accepted papers. The Keynote Lectures and accepted papers will be published in the Symposium Proceedings.

### Official Symposium Language

English

### Location

Eight years after the first *International Symposium on Geosynthetic Clay Liners* in Nuremberg 1994, the Organising

Committee opted to hold the event in Nuremberg again.

Nuremberg has an international airport with direct flights to many European cities and numerous hotels of all categories. The Symposium will be held in Heilig-Geist-Spital, located in the centre of the old town.

### Call for Abstracts

Papers may cover any of the subjects described above; authors are required to submit a detailed one-page abstract (400 to 500 words) with five keywords.

Abstracts must include the name, title, address, phone and fax numbers, as well as the e-mail address of the corresponding author. Abstracts should be sent to the Secretariat by post as well as by e-mail. All abstracts will be reviewed by the Organising Committee.

The abstracts must be sufficiently detailed to allow the reviewers to assess the scientific and technical merit of the proposed paper. In particular, the relevance of the results obtained and the

contribution toward advances in the application of *Clay Geosynthetic Barriers* and the related system in which they function must be discussed.

These papers must be related to original, previously unpublished work and must not be of a commercial nature.

The papers are to be written in English. Detailed instructions will be

sent to the authors of the selected abstracts. The final manuscript will be reviewed by the Organising Committee.

#### Deadlines

*Abstracts due:* 31 August 2001

*Organising Committee decision:*  
30 September 2001

*Papers due:* 15 December 2001

#### Contact

LGA Secretariat, Geosynthetic Institute  
*IS Nuremberg 2002*

Tillystr. 2

D-90431 Nuremberg, Germany

Tel: 49/911 655 55 63

Fax: 49/911 655 55 92

## ***New Trends in Water and Environmental Engineering for Safety and Life: Eco-Compatible Solutions for Aquatic Environments***

### ***Capri 2002, Second International Conference: Call for Papers***

**Capri, Italy, 24 to 28 June 2002**

#### Introduction

Thanks to the large numbers of participants and the exceptional research papers presented at the successful *First International Conference*, held in July 2000, Capri is believed to become the perfect location for a biennial meeting on water and the environment. The *Second International Conference* is being organised to maintain scientific and technological insight into new methods of protecting and maintaining bodies of water, from the point of view of both human life and environmental safety.

The primary goal of the Conference is to break the narrow boundaries between different disciplines, encouraging interdisciplinary studies and exchange of information.

#### Topics

The following three multi-disciplinary parallel Sessions will be held:

##### *Session A – Water Resources Management*

- irrigation and drainage
- ground water management
- desertification and draught
- political and economical aspects of water management
- remote sensing applications in water management
- architecture and planning of fluvial and coastal landscapes

##### *Session B – Protection from Water-Related Threats*

- floods and land safety

- soil erosion and sediment transport
- eco-hydraulics and biology
- pollution protection and prevention in maritime environments

##### *Session C – Urban Drainage*

- hydrology and hydraulics of sewer systems
- water quality control in urban catchments
- remote sensing and real-time control in urban networks



#### Official Conference Language

English

#### Fellowships

Limited funds have been allocated for authors of accepted papers, who require financial assistance, to allow them to participate in the Conference. The fellowships include the Conference registration fee and accommodation in Capri. Further details will be given in the next bulletin.

#### Registration Fees

*For all Members of AII, CSDU, IAHR, ICID, IGS, IMUG, and Terr@A:*

- 550 EUROS before 15 April 2002
- 750 EUROS after 15 April 2002

#### Others

- 650 EUROS before 15 April 2002
- 750 EUROS after 15 April 2002

The registration fee includes: (i) one copy of the Conference proceedings; (ii) coffee breaks; and (iii) Gala dinner.

No fees are expected for the abstracts, but a deposit of 100 EUROS is requested for each submitted paper. This amount will be subtracted from the registration fee of one of the Authors. Papers will be automatically discarded if not accompanied by the corresponding deposit. For individuals who receive a Fellowship to attend the Conference, the deposit will be paid back at the Conference desk.

#### Venue and Location

The island of Capri is located near Naples, in the South of Italy. In late June, the weather is typically 25 to 30°C (the Conference rooms and most of the hotels have air conditioning).

Capri is easily accessible; from the international airport of Naples “Capodichino”, a bus or taxi ride is required and then a short ferry or hydrofoil ride. Hotel accommodation information will be provided in the next bulletin.

#### Sponsors and Technical Exhibition

Advertisements can be published on the official Conference website: [www.capri2002.com](http://www.capri2002.com). Sponsorships for each session are welcome, comprising banners inside and outside the Conference rooms and short presentations of the sponsors’ activities to be held during

the sessions. For more information, e-mail: [sponsor@capri2002.com](mailto:sponsor@capri2002.com).

A technical exhibition will be held to display new products and developments in hydro-science and fluid engineering resulting from both international research and public consulting and industrial companies. Exhibition stands must be booked before 15 April 2002.

#### Deadlines

- *15 September 2001*: submission of abstract and pre-registration;
- *30 November 2001*: notification of abstract acceptance;
- *28 February 2002*: financial support request;
- *28 February 2002*: submission of final manuscripts;
- *15 April 2002*: registration and payment of the reduced registration fee;

#### Contact

Capri 2002 Organising  
Committee Secretariat  
c/o: CSDU & Terr@A  
Politecnico di Milano, DIAR  
Sez. Idraulica  
Piazza Leonardo da Vinci, 32  
20133 Milano, Italy  
Fax: 39/02 2665731  
E-mail: [info@capri2002.com](mailto:info@capri2002.com)  
<http://www.capri2002.com>

## International Conference on Fast Slope Movements – Prediction and Prevention for Risk Mitigation IC-FSM2002, Sorrento, Italy, 16 to 17 May 2002: Call for Papers

#### Conference Objectives

Landslides are the most dangerous slope movements due to their impact on human lives and man-made works. The risk of landslides continuously increases as a consequence of increased land use. Therefore, there is an urgent need for methods of predicting the occurrence of slope failures and mitigating their effects.

In recent years, Geotechnical Engineering, along with other disciplines, has made a strong effort to tackle landslide analysis problems in association with increased landuse activities. Risk mitigation studies that follow the model approaches common in other applied sciences for mitigating environmental risks are being utilised more often. Recent symposia have shown that methods based on risk assessment may also be successfully used for the classical problem of slope analysis.

The Conference will focus on providing contributions to risk assessment and mitigation research for land areas subjected to fast slope movements. It will represent an ideal follow-up of the *International Workshop on Occurrence and Mechanisms of Flows in Natural*

*Slopes and Earthfills*, which will take place in Napoli, Italy during the same week. Therefore, individuals wishing to participate in the Conference are also invited to attend the Workshop, which is open to all individuals interested in these stimulating problems.



#### Topics

##### Session I

Risk assessment – from theory to practice (soil/rock characterisation, groundwater regime, slope analysis, thresholds, hazard assessment, intensity, vulnerability, mapping, and more).

##### Session II

Risk mitigation (slope stabilisation, alert and alarm systems, protection criteria, land management, and more).

##### Round Table

Criteria for land management – comparison of different experiences.

#### Official Language and Proceedings

The official languages of the Symposium will be English and Italian. A simultaneous translation will be provided. Abstracts and papers will be written in English.

#### Deadlines

- *Abstract submission*: 30 September 2001
- *Preliminary acceptance notice*: 31 October 2001
- *Paper submission*: 15 December 2001
- *Final acceptance notice*: 28 February 2002

#### Contact and Further Information

IC-FSM2002 Secretariat  
c/o AGI  
Piazza Bologna 22 - A/9  
00162 Rome  
Italy  
Tel: 39/06 44249272  
Fax: 39/06 44249274  
E-mail: [agiroma@iol.it](mailto:agiroma@iol.it)

Additional Conference information is available at the following website:  
<http://www.unina2.it/fsm2002>

## Geosynthetics International An Official Journal of the IGS

**G** *eosynthetics International* 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.

The Editor of *Geosynthetics International* (Prof. T.S. Ingold), Co-Editor (Prof. R.J. Bathurst), and Chair of the Editorial Board (Dr. J.P. Giroud) have more than 30 years of combined experience with the publication of technical journals. They are assisted by a first-rate Editorial Board composed of international experts that are appointed to four-year terms and who represent a broad range of geosynthetics expertise.

Rapid publication of papers provides subscribers with current papers covering geosynthetics research, design, construction methods, and important case studies. Only papers peer-reviewed by experts are published.

Special issues devoted to specific, state-of-the-art topics have included "Design of Geomembrane Applications", "Liquid Migration Control Using

Geosynthetic Liner Systems", "Geosynthetics in Earthquake Engineering", and "Liquid Collection Systems".

*Geosynthetics International* 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. *Geosynthetics International* offers a reduced subscription rate to Individual IGS Members. Individual IGS Members can subscribe for US\$150 per 6 issues. *Geosynthetics International* is offered to university and college libraries at US\$180 per 6 issues. The standard rate of US\$272 applies to all others.

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

Dr. T.S. Ingold, Editor  
*Geosynthetics International*  
Mulberry Lodge, St. Peters Close  
St. Albans, AL1 3ES  
United Kingdom  
Tel.: 44/1727-842433

Fax: 44/1727-845266

Professor R.J. Bathurst, Co-Editor  
*Geosynthetics International*  
(see p. 15 for complete address)

Dr. J.P. Giroud, Chair  
*Geosynthetics International*  
GeoSyntec Consultants  
621 N.W. 53rd Street, Suite 650  
Boca Raton, Florida 33487, USA  
Tel.: 1/561-995-0900  
Fax: 1/561-995-0925

For subscriptions, contact:

Ms. Susan Smeed  
*Geosynthetics International*  
Assistant Circulation Manager  
IFAI  
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Roseville, MN 55113, USA  
Tel.: 1/612 222-2508  
Fax: 1/612 631-9334

Visit the *Geosynthetics International*  
WWW site at <http://geo.rmc.ca/gi>

## *Geotextiles and Geomembranes* An Official Journal of the IGS

**G** *Geotextiles and Geomembranes* provides a forum for the dissemination of information on geosynthetics amongst research workers, designers, users, and manufacturers. The Journal increases general awareness, prompts further research, and assists in the establishment of international codes and regulations.

The following are welcome contributions: refereed technical papers covering research, design, construction, applications, and case studies; technical notes, book reviews, reports of conferences, and meetings; and letters to the Editor. All technical papers are open to written discussion. No limit to length is set and short notes are acceptable. Review articles may also be published at intervals, but the subject and contents of these should be discussed first with the Editor.

Dr. Jean-Pierre Gourc is planning to prepare a Special Issue on "Erosion". If

you are interested in contributing to this special issue, please contact Dr. Gourc at the address on p. 15, or by e-mail: [gourc@ujf-grenoble.fr](mailto:gourc@ujf-grenoble.fr).

Dr. Michael Heibaum is planning to prepare a Special Issue on "Geosynthetic Containers" (also called "geosystems"). Submissions are due by 30 September 2001. If you are interested in contributing to this special issue, please contact:

Dr. Michael Heibaum  
BAW - Bundesanstalt f. Wasserbau  
Kussmaulst. 17, 76187 Karlsruhe  
Germany  
E-mail: [mhb@baw.de](mailto:mhb@baw.de)

The Editorial Board Members and reviewers have worked very hard over the past year to provide detailed, constructive reviews in a very timely manner. The average review period is less than three months. Papers come from a wide range of countries with approxi-

mately one third of the papers coming from the Americas, Europe, and the rest of the world. The rejection rate is 59%. The Journal's Editor and Board Members are extremely appreciative of the authors' hard work in addressing the reviewers' comments and the quick return of revised papers.

All technical contributions and inquiries should be directed to:

Professor R. Kerry Rowe, Editor  
*Geotextiles and Geomembranes*  
Department of Civil Engineering  
Ellis Hall, Queen's University  
Kingston, Ontario, K7L 3N6  
Canada  
Fax: 1/613 533 2128  
E-mail: [kerry@civil.queensu.ca](mailto:kerry@civil.queensu.ca)

Authors should submit four copies of their paper, which will subsequently be reviewed by at least two individuals. No original figures should initially be included.

CONFERENCES  
SYMPOSIA  
WORKSHOPS

CALENDAR OF EVENTS  


SHORT COURSES  
EXPOSITIONS  
TRADE SHOWS

*XVth International Conference on Soil Mechanics Geotechnical Eng. Istanbul, Turkey  
27-31 August 2001*

Contact: Prof. Ergün Togrol  
Tel: 90/212 285 3747  
Fax: 90/212 285 3582  
E-mail: 15icsmge@itu.edu.tr  
<http://www.itu.edu.tr/2001/>

*54th Annual Canadian Geotechnical Conference  
Calgary, Alberta, Canada  
16-19 September 2001*

Contact: Mr. Mahmoud Mahmoud  
E-mail: mmahmoud@golder.com  
<http://www.cgygeosociety.org/2001.html>

*Sardinia 2001: A Waste Odessey  
Cagliari, Italy  
1-5 October 2001*

Contact: EuroWaste Srl  
Tel: 39/49 8726986  
Fax: 39/49 8726987  
E-mail: eurowaste@tin.it  
<http://www.sardiniasymposium.it>

*Ghent Environmental Geotechnics Specialty Conference  
Ghent, Belgium  
29-31 October 2001*

Contact: Prof. W.F. Van Impe  
Tel: 32/0 9 264 57 17  
Fax: 32/0 9 264 58 49  
E-mail: GEG2001@pi.be  
<http://allserv.rug.ac.be/~wvanimpe>

*11th Annual International TANDEC Nonwovens Conference  
Knoxville, Tennessee, USA  
6-8 November 2001*

Contact: Dr. Dong Zhang  
Tel: 1/865 974 3573  
Fax: 1/865 974 3580  
E-mail: tancon@utk.edu  
<http://tandec.utk.edu/confer.html>

**IS Kyushu 2001**

*Fukuoka, Kyushu, Japan  
14-16 November 2001*

Contact: Prof. Hidetoshi Ochiai  
Tel. and Fax: 81/92 642 3285  
E-mail: iskyushu@civil.kyushu-u.ac.jp  
<http://www.civil.kyushu-u.ac.jp/geotech/iskyushu/>

*2nd ANZ Conference on Environmental Geotechnics  
Newcastle, Australia  
28-30 November 2001*

Contact: Ms. Didi Stigter  
Tel: 61/2 92903366  
Fax: 61/2 92902444  
E-mail: geoenv@icms.com.au  
<http://www.icms.com.au/geoenvironment>

*15th GRI Conference  
Houston, Texas, USA  
13-14 December 2001*

Contact: Ms. Marilyn Ashley  
Tel: 1/610 522 8440  
Fax: 1/610 522 8441  
E-mail: marilyn.ashley@coe.drexel.edu

*International Deep Foundations Congress: Down to Earth Technology  
Orlando, Florida, USA  
14-16 February 2002*

Contact: Carol Bowers, Geo-Institute  
Tel: 1/703 295 6352  
Fax: 1/703 295 6351  
E-mail: cbowers@asce.org  
<http://www.geoinstitute.org>

**International Symposium on Clay Geosynthetic Barriers**

*Nuremberg, Germany  
16-17 April 2002*

Contact: Secretariat, IS Nuremberg 2002  
Tel: 49/911 655 55 63  
Fax: 49/911 655 55 92  
E-mail: gbza@lga.de  
Abstracts due 31 August 2001  
Papers due 15 December 2001

**II Spanish Geosynthetic Symposium  
Madrid, Spain**

*16-18 April 2002*

Contact: Asociacion Tecnica de Carreteras  
Tel: 34/913082318  
Fax: 34/913082319  
E-mail: info@atc-piarc.com  
Abstracts due 30 September 2001  
Papers due 1 February 2002

**Fast Slope Movements – Prediction and Prevention for Risk Mitigation**

*Sorrento, Italy  
16-17 May 2002*

Contact: AGI  
Tel: 39/06 44249272  
Fax: 39/06 44249274  
E-mail: agiroma@iol.it  
<http://www.unina2.it/fm2002>  
Papers due 15 December 2001

*12th Danube-European Conference on Geotechnical Engineering*

*Passau, Germany  
27-28 May 2002*

Contact: Prof Dr Eng W Wittke  
Tel: 0241/88987-33  
Fax: 0241/88987-33  
E-mail: wbi@wbionline.de

**Capri 2002**

*Capri, Italy  
24-28 June 2002*

Contact: Fax: 39/2 2665731  
Abstracts due 15 September 2001  
Papers due 28 February 2002

*International Conference on Physical Modelling in Geotechnics*

*St. John's, New Foundland, Canada  
10-12 July 2002*

Contact: Ms. Abigail Steel, Secretariat

Tel: 1/709 737 8584  
Fax: 1/709 737 4706  
E-mail: icpmg@c-core.ca  
<http://www.c-core.ca/icpmg/>

*3rd International Conference on Water Resources and Environment Research  
Dresden, Germany  
22-26 July 2002*

Contact: Cathleen Schimmek  
Conference Secretariat ICWRER 2002  
Tel: 49/351 463 3931  
Fax: 49/351 463 7162  
E-mail: icwrer2002@mailbox.tu-dresden.de

*4th International Congress on Environmental Geotechnics*

*Rio de Janeiro, Brazil  
12-16 August 2002*

Contact: Secretariat, 4ICEG-RIO 2002  
c/o Dr. M.C. Barbosa, COPPE-UFRJ  
Fax: 55/21 280 9545  
E-mail: 4iceg@pec.coppe.ufrj.br

*12th European Conference on Earthquake Engineering*

*London, United Kingdom  
9-13 September 2002*

Contact: Rachel Coninx, Secretariat  
Tel: 44/7665 2314  
Fax: 44/20 7233 1743  
E-mail: 12ECEEE@ice.org.uk  
<http://www.12ecee.org.uk/>

**7th International Conference on Geosynthetics**

*Nice, France  
22-27 September 2002*

Contact: 7<sup>th</sup> ICG  
Tel: 33/0 1 45 18 55 98  
Fax: 33/0 1 45 18 56 55  
E-mail: ips-conseil@wanadoo.fr  
<http://www.7icg-nice2002.com>

*12th Asian Regional Conference on Soil Mechanics & Geotechnical Eng.*

*Singapore  
4-8 August 2003*

Contact: Dr. C.F. Leung  
Tel: 65/8742281  
Fax: 65/7791635  
Email: 12ARC@nus.edu.sg  
<http://www.eng.nus.edu.sg/civil/conf/12ARC>

*13th European Conference on Soil Mechanics & Geotechnical Eng.*

*Prague, The Czech Republic  
25-28 August 2003*

Contact: Prof. Ivan Vanicek  
Tel: 42/2 24354540  
Fax: 42/2 3114206  
E-mail: vaniceki@fsv.cvut.cz  
<http://www.ecsmge2003.cz>

*Note: Items in **bold print** are organised under the auspices of the IGS or with the support of the IGS.*

# Corporate Members of the IGS

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<b>Amoco Fabrics and Fibers Co.</b> <i>USA (1987)</i>	<b>Geotechnics Holland B.V.</b> <i>The Netherlands (1991)</i>	<b>Poly-Flex, Inc.</b> <i>USA (1996)</i>
<b>Araigumi Co., Ltd.</b> <i>Japan (1999)</i>	<b>Geosistemas Pavco S.A.</b> <i>Colombia (1991)</i>	<b>Presto Products Company - Geosystems Division</b> <i>USA (1996)</i>
<b>Asahi Chemical Industry Co., Ltd.</b> <i>Japan (1984)</i>	<b>GSE Lining Technology, Inc.</b> <i>USA (1988)</i>	<b>Punzonados Sabadell, S.A.</b> <i>Spain (2000)</i>
<b>Association of RRR Construction System, The</b> <i>Japan (1998)</i>	<b>Hojun Yoko Co., Ltd.</b> <i>Japan (2000)</i>	<b>The Reinforced Earth Co.</b> <i>USA (1989)</i>
<b>Atarfil, S.L.</b> <i>Spain (1999)</i>	<b>Hong Leong Plastics Pte Ltd.</b> <i>Singapore (1994)</i>	<b>Reliance Industries, Ltd.</b> <i>India (1998)</i>
<b>Belton Industries Inc.</b> <i>USA (1989)</i>	<b>Huesker Synthetic GmbH &amp; Co.</b> <i>Germany (1987)</i>	<b>Serrot International, Inc.</b> <i>USA (1992)</i>
<b>Bettor MBT, S.A.</b> <i>Spain (2000)</i>	<b>Hui Kwang Chemical Co., Ltd.</b> <i>Taiwan, R.O.C. (2000)</i>	<b>Sewon Geosyntech Co., Ltd.</b> <i>Korea (1997)</i>
<b>Bidim Geosynthetics S.A.</b> <i>France (1984)</i>	<b>Integrated Geotechnology Institute Limited</b> <i>Japan (1998)</i>	<b>Shimizu Corporation</b> <i>Japan (1990)</i>
<b>Bidim Inde E Com Ltd. BBA Nonwovens</b> <i>Brazil (1994)</i>	<b>Ipetex, S.A.</b> <i>Portugal (1999)</i>	<b>SI Corporation</b> <i>USA (1991)</i>
<b>Bonar Technical Fabrics N.V.</b> <i>Belgium (1985)</i>	<b>Japan Spunbond Toray Industries</b> <i>Japan (1984)</i>	<b>Solmax International, Inc.</b> <i>Canada (1997)</i>
<b>Cetco</b> <i>USA (1992)</i>	<b>Juta a.s.</b> <i>Czech Republic (1998)</i>	<b>Steel Dragon Enterprise Co., Ltd.</b> <i>Taiwan, R.O.C. (1996)</i>
<b>Colas Group, The</b> <i>France (1996)</i>	<b>Kajima Technical Research Institute</b> <i>Japan (1985)</i>	<b>SVG (Swiss Association of Geotextile Professionals)</b> <i>Switzerland (1984)</i>
<b>Colbond Geosynthetics</b> <i>The Netherlands (1986)</i>	<b>Kuraray Co., Ltd.</b> <i>Japan (1989)</i>	<b>Taiyo Kogyo Co., Ltd. (Ocean)</b> <i>Japan (1996)</i>
<b>Creative Polymer Industries Pte Ltd.</b> <i>Singapore (1997)</i>	<b>Lys Fabrics S.A.</b> <i>Belgium (1998)</i>	<b>Taiyo Kogyo Corporation (Sun)</b> <i>Japan (1991)</i>
<b>Dae Han Industrial Material Co., Ltd.</b> <i>Korea (1994)</i>	<b>Maccaferri de Peru S.A.C.</b> <i>Peru (2000)</i>	<b>Tanaka Co., Ltd.</b> <i>Japan (1993)</i>
<b>Du Pont De Nemours Int. (Luxembourg) S.A.</b> <i>Luxembourg (1984)</i>	<b>Maccaferri do Brasil Ltda.</b> <i>Brazil (1998)</i>	<b>TC Mirafi</b> <i>USA (1998)</i>
<b>E &amp; S Engineering Co., Ltd.</b> <i>Korea (1997)</i>	<b>Maeda Corporation</b> <i>Japan (1988)</i>	<b>Tele Textiles AS</b> <i>Norway (1995)</i>
<b>Earthshine Enterprise Co., Ltd.</b> <i>Taiwan, R.O.C. (2000)</i>	<b>Maeda Kosen Co., Ltd.</b> <i>Japan (1992)</i>	<b>Tenax G.T.O.</b> <i>Italy (1991)</i>
<b>Emas Kiara Sdn Bhd</b> <i>Malaysia (1999)</i>	<b>Mecaroute S.A.</b> <i>France (1996)</i>	<b>Ten Cate Nicolon B.V.</b> <i>The Netherlands (1984)</i>
<b>Engtex AB</b> <i>Sweden (1995)</i>	<b>Mitsubishi Chemical Functional Products, Inc.</b> <i>Japan (1992)</i>	<b>Tenox Corporation</b> <i>Japan (1998)</i>
<b>Fibertex A/S</b> <i>Denmark (1984)</i>	<b>Mitsui Chemicals Industrial</b> <i>Japan (1992)</i>	<b>Tensar Corporation, The</b> <i>USA (1989)</i>
<b>Field Lining Services</b> <i>Panama (1998)</i>	<b>Naue Fasertechnik GmbH &amp; Co. KG</b> <i>Germany (1987)</i>	<b>Tensar International</b> <i>UK (1989)</i>
<b>Fiti Testing and Research Institute</b> <i>Korea (1997)</i>	<b>Nippon Zeon Co., Ltd.</b> <i>Japan (1992)</i>	<b>Terram Ltd.</b> <i>UK (1988)</i>
<b>Fritz Landolt Ag</b> <i>Switzerland (1985)</i>	<b>Nittoc Construction Co., Ltd.</b> <i>Japan (1994)</i>	<b>Terratest Tecnicas Especiales, S.A.</b> <i>Spain (2000)</i>
<b>Geodesign Co., Ltd.</b> <i>Japan (1999)</i>	<b>Obayashi Corporation</b> <i>Japan (1988)</i>	<b>Thai Nam Plastic Public Co., Ltd.</b> <i>Thailand (1994)</i>
<b>Geofabrics Ltd.</b> <i>UK (1995)</i>	<b>Officine Maccaferri S.P.A.</b> <i>Italy (1997)</i>	<b>Tokyu Construction Co., Ltd.</b> <i>Japan (1984)</i>
<b>Geofelt GmbH</b> <i>Austria (1996)</i>	<b>Okasan Livic Co., Ltd.</b> <i>Japan (1984)</i>	<b>Werkos</b> <i>Croatia (1999)</i>
<b>Geosynthetic Materials Association</b> <i>USA (1985)</i>		

*Note: date is earliest year of continuous membership*

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### President

Prof. Richard J. Bathurst  
Department of Civil Engineering  
Royal Military College of Canada  
P.O. Box 17000, STN Forces  
Kingston, Ontario K7K 7B4  
CANADA  
Tel: 1/613 541 6000, Ext. 6479  
Fax: 1/613 541 6218  
E-mail: bathurst-r@rmc.ca

### Vice-President

Ing. Daniele A. Cazzuffi  
ENEL.Hydro  
Via G. Pozzobonelli, 6  
20162 Milano  
ITALY  
Tel: 39/02 7224 3545  
Fax: 39/02 7224 3640  
E-mail: cazzuffi.daniele@enel.it

### Immediate Past-President

Prof. Colin J.F.P. Jones  
Department of Civil Engineering  
The University of Newcastle  
Newcastle upon Tyne, NE1 7RU  
UNITED KINGDOM  
Tel: 44/191 222 7117  
Fax: 44/191 222 6613  
E-mail: c.j.f.p.jones@newcastle.ac.uk

### Treasurer

Mr. Wim Voskamp  
Maasoord 27  
3448 BM Woerden  
The Netherlands  
Fax: 31/348 430961  
E-mail: voskamp@wxs.nl

### Secretary

Mr. Peter E. Stevenson  
226 Sitton Rd.  
Easley, SC 29642-8393 USA  
Tel: 1/864 855 0504  
Fax: 1/864 859 1698  
E-mail: igspete@aol.com

## IGS News Editors

Ms. Karina Labinaz

### Editor

*IGS News*  
Department of Civil Engineering  
Royal Military College of Canada  
P.O. Box 17000 STN Forces  
Kingston, Ontario K7K 7B4 CANADA  
Tel: 1/613 541 6000, Ext. 6347  
Fax: 1/613 541 6218  
E-mail: labinaz-k@rmc.ca

Dr. J.-P. Gourc

### Associate Editor (Europe)

*IGS News*  
Grenoble University  
IRIGM-Lgm  
B.P. 538041 Grenoble Cedex 9  
FRANCE  
Tel: 33/76 51 49 46  
Fax: 33/76 51 49 00  
E-mail: gourc@ujf-grenoble.fr

## IGS News Chapter Correspondents

Mr. Fred Foubert, Belgium, [fred.foubert@centexbel.be](mailto:fred.foubert@centexbel.be)  
Mr. Gerhard Braeu, Germany, [g.braeu@bv.tum.de](mailto:g.braeu@bv.tum.de)  
Dr. G.V. Rao, India, [gvrao@civil.iitd.ernet.in](mailto:gvrao@civil.iitd.ernet.in)  
Dr. Giovanni Bosco, Italy, [giovanni.bosco@ing.unitn.it](mailto:giovanni.bosco@ing.unitn.it)

Prof. Katsuhiko Makiuchi, Japan, [makiuchi@trpt.cst.nihon-u.ac.jp](mailto:makiuchi@trpt.cst.nihon-u.ac.jp)  
Ms. Loretta Batali, Romania, [loretta@hidro.utcb.ro](mailto:loretta@hidro.utcb.ro)  
Mr. Peter Davies, South Africa, [ktechpld@kaymac.co.za](mailto:ktechpld@kaymac.co.za)  
Prof. San-Shyan Lin, Taiwan, [sslin@ntou66.ntou.edu.tw](mailto:sslin@ntou66.ntou.edu.tw)

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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.

## 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 associated technologies; and
- participate in a forum for designers, manufacturers, and users, where new ideas can be exchanged and contacts improved.

### Second, to enjoy the benefits.

The following benefits are now available to all IGS Members:

- a directory of Members, the IGS Directory, published every year, with addresses, telephone, e-mail, and fax numbers;
- the newsletter, *IGS News*, published three times a year;
- a reduced purchase price on all documents published by the IGS;
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- a reduced subscription fee for IGS-endorsed journals; and
- the possibility of being granted an IGS award.

## IGS MEMBERSHIP APPLICATION

Membership of the International Geosynthetics Society (IGS) 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 individuals and US\$1000 for Corporate Members. Individuals of, or not of, corporations who voluntarily contribute a minimum of US\$200 annually to the IGS, in excess of their membership dues, will be mentioned in the IGS Directory in a separate list as benefactors.

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**For editorial enquiries contact: Ms. Karina Labinaz**

Department of Civil Engineering, Royal Military College of Canada

P.O. Box 17000, STN Forces, Kingston, Ontario, CANADA K7K 5L0

Tel: 1/613 541 6000, Ext. 6347 or 1/613 533 3108, Fax: 1/613 541 6218, E-mail: labinaz-k@rmc.ca