



IAEG news

Lettre d'information de l'Association Internationale de Géologie de l'Ingénieur et de l'Environnement
International Association for Engineering Geology and the Environment newsletter

Volume 30, n° 1-2

December
2002

Contents / Sommaire

Activity report of IAEG president for the period 1999-2002 / *Rapport d'activité du président de l'AIGI pour la période 1999-2002*

Brief report of IAEG Executive Committee's and Council's meetings in 2002 / *Compte-rendu sommaire des réunions 2002 du comité exécutif et du conseil de l'AIGI*

IAEG Executive Committee for 2003-2006 / *Comité Exécutif de l'AIGI pour 2003-2006*

IAEG sponsored events / *Réunions parrainées par l'AIGI*

2002 Hans-Cloos Medal / *Médaille Hans-Cloos pour l'an 2002*

2002 Richard-Wolters Prize / *Prix Richard-Wolters 2002*

Activity report of IAEG president for the period 1999-2002

Rapport d'activité du président de l'AIGI pour la période 1999-2002

Report presented by **Prof. Wang Sijing** to IAEG Council in Durban, on the opportunity of the IAEG 9th International Congress, on 15th September 2002

Welcome

I am pleased to welcome all of you to attend the IAEG Council Meeting. It is a great pleasure to gather with many old friends and to meet so many new friends. Particularly, I am happy of the continuous prosperity of IAEG and the Engineering Geology community.

I wish that all of you enjoy your stay in this beautiful country, I

regional environmental
planning, geohazards,
prevention, guarantee of
energy, resources, security,
etc. Engineering geologists are
exerting themselves to make
the earth more beautiful and
will be proud of their efforts.
IAEG will become a big real
family of engineering geologists
around the world.

Objective of IAEG in 1999-2002

JTC 1

Meeting for representatives of IAEG European National Groups, Durban, 19 September 2002 / *Réunion des représentants des groupes nationaux européens,*

Durban, 19 septembre 2002

Meeting of IAEG Commission C-10, Durban, 19th September 2002 / *Réunion de la Commission C-10 de l'AIGI, Durban, 19 septembre 2002*

National groups / *groupes nationaux*

Editorial enquiries / Renseignements rédactionnels : Dr Michel Deveughèle - Secrétaire Général de l'AIGI - Centre de Géologie de l'Ingénieur - Université de Marne-la-Vallée - Bâtiment IFI - 2, allée du Promontoire - 93160 Noisy-le-Grand - France

Fax : + 33.1.49.32.91.28

E-mail : iaeg-sg@cqi.ensmp.fr

Not to be reproduced in part or in whole without permission / Reproduction, même partielle, interdite sans autorisation

Printed by / Imprimé à l'École des Mines de Paris, France

wish every success for the Council Meeting and fruitful results of the Congress.

New era of IAEG

This report is the last one of the IAEG Executive Committee in term of 1999-2002. This period symbolizes the jumping from the 20th to the 21st century. People have happily wished peace and happiness in the new century. Unfortunately, in the blue sky appear some clouds of economic crisis and terrorism and confrontation. We still hope we will all live better in the new century. In fact, engineering geologists feel to be gratified from the fact that environmental protection, infrastructure construction and sustainable development have drawn close attention and concern of human society.

The duty of engineering geologists has expanded from the providing of basis of design and construction of civil engineering works to the new major fields of regional environmental planning, geohazards, prevention, guarantee of energy, resources, security, etc. Engineering geologists are exerting themselves to

On the Executive meeting in Kathmandu in 1999, I proposed that the focal work point of the present term of IAEG Executive Committee should be oriented towards the developing world. IAEG has good scientific and organizing bases in Europe and in North America, while it is not well known in the developing world. Many experts and engineers in this part have not joined IAEG activities. Therefore, only the activity and the organization of IAEG are well developed in the developing world ; IAEG can become the real world academic and professional organization.

In fact, we have made great efforts at solving this problem. In 1999, we held an engineering geology, hydrogeology and geohazard workshop in Kathmandu, focusing on the Himalayas region. Many engineering geologists in the countries around the Himalayas and Southeast Asia participated in this workshop and got in close touch with the delegations of Europe and North America.

The fact that the National Group of Nepal hopes to convene an international conference in Nepal shows that they enjoy the great benefit of this workshop. Meanwhile, we also pay attention to the engineering geology problems and geohazards in the active tectonic regions and young orogenic belts, in which tremendous geohazards often occur, due to the coupling of endogenic and exogenic dynamic forces.

In 2000, the IAEG activity was well organized in Rio in connection with the 31st IGC. It was a great meeting of the geologist community. We had not only a good opportunity to make scientific exchanges with other sister societies of geosciences, but also a chance to encourage an active participation of South American engineering geologists in the engineering geological community. The Brazilian National Group displayed the active contribution of these geologists to IAEG activity.

Now, in 2002, we come to Durban to hold this 9th IAEG Congress. Please note that the theme of the congress is "*Engineering Geology in Developing Countries*". The National Group of South Africa was hardworking on preparing this congress. We are convinced that through this congress engineering geology will be blossoming on the land of Africa, and it is expected that more African engineering geologists will be involved in the IAEG circle.

Upgrading of IAEG academic level

Theoretical development and technical advancement of engineering geology depend on the effort of engineering geologists. However, IAEG activity will help in aiming at this goal. Scientific conferences are important. Meanwhile, at the first session of the Executive committee, we supposed that the improvement of the work of IAEG Commissions and Bulletin publication will be very important for the building up of the academic and scientific level of our Association.

Since IAEG Commissions are composed of excellent engineers and scholars of the engineering geological community, and the results of commission works come from the study and summary of the topics selected by them, the products should guide the orientation of our activity and represent the academic level of IAEG.

The Executive Committee discussed several times on the working state of Commissions and put forward the requirements to the Commissions. All of them have been asked to submit their reports to the Council Meeting in Durban. The Commission of engineering geological maps has submitted a CD ROM containing principles and methodology of engineering geological mapping. The Commission of aggregates organized an international symposium in Helsinki in 2001. The Commission of engineering geology and protection of ancient monuments and geological inheritance, the Commission of collapsing soils, the Commission of building stones and ornamental rocks and the Commission of underground disposal of nuclear wastes published their objectives and activity programmes in 2000. The results will be gradually published in the next period.

The IAEG Bulletin has been significantly improved. The number and the quality of published papers have gained steady progress. As a scientific window of the engineering geology community, the quality of papers published in the bulletin directly reflects the level of engineering geology and science. We are happy to see IAEG Bulletin gradually become one of the international journals with a high academic level.

According to the message of the Editor-in-chief and the co-editor, the sources of submitted papers are sufficient and can meet the demand of publication in time. However, the number of high-quality papers is not enough yet ; it has nevertheless increased. I would suggest to organize an editorial board composed of well-known specialists and professors who may help us find good papers and review them. This might appeal the attention of the world engineering geological community towards our Bulletin. I would also suggest to publish paper titles and abstracts as well as the full text of some important papers into internet homepage for introducing them to readers and for increasing the citation index of the Bulletin. I propose to invite the winners of Hans-Cloos Medal and Richard-Wolters Prize to publish their keynote papers in the first issue of IAEG Bulletin of this year. We also encourage the leaders of IAEG Commissions to publish the results of their works.

Of course, the proceedings of each IAEG Congress can best reflect the scientific advancement of engineering geology. The selection of paper presentation and keynote lectures by the Organizers is extremely important. It is a good decision of last IAEG Executive meeting to invite Professor Knill, the winner of Hans-Cloos Medal, to give keynote lectures on this Committee.

Global cooperation of IAEG

The development of engineering geology needs scientific deepening, as well as synthesizing. We should cooperate with other societies of geosciences, such as Hydrogeology, Quaternary Geology, Structure Geology, etc. We can contact them on the forum of International Geological Congress. So we should organize some special symposium jointly with them at the IGC. Professor Canuti is our official representative to the 32nd IGC to be held in 2004 in Florence, Italy. He has done a lot for setting up the programme of Engineering Geology Symposium at the IGC. All proposed convenors have a duty to cooperate with Professor Canuti to organize the relevant Sessions well.

We continue our cooperation with IUGS, especially in the field of environmental issues. Our Secretary General regularly submitted IAEG reports to IUGS. Our association is known as one of the active affiliated members of IUGS.

In recent years the cooperation between IAEG, ISRM and ISSMGE has been increased. The first Geo-engineering conference was entitled : "*International Conference on Geotechnical and Geological Engineering*" and held in Melbourne (Australia) in 2000. The second one, Geo-Eng 2004, will be held in Canada. IAEG should be prepared to take an active part in it. Canadian IAEG National Group and US IAEG National Group may help a lot in this event. The issue of so-called Geotechnical Union was discussed first time at Melbourne Conference. A working group composed by two past Presidents from each society was set up to work out a draft. Professor Oliveira and Professor Marinos are working in this group.

Last January Professor Marinos and myself were invited by Professor Sassa to attend the meeting of constitution of a new society named International Consortium of Landslide (ICL). Representatives of UNESCO and IUGS were involved too. Professor Sassa was requested to initiate an International Programme of Landslide supported by UNESCO and IUGS. Since landslide is one of the most important topics of IAEG activity, Professor Sassa expressed their interest in cooperating with IAEG. He invited us to affiliate ICL, and the issue of this kind should be decided in our Council Meeting.

As for the International Landslide Conference, a new joint group of ISRM, ISSMGE and IAEG has been set up to organize its new activity. Other common groups should be created.

Growing role of IAEG in the community of Engineering Geology

During this period the number of national groups and of members increased. However, due to many reasons, some national groups are not active. The Secretariat tried its best to contact these groups, and some of them reactivated, such as Indian, Iranian National Groups, etc. The situation among Asian groups has been improved. We do hope the situation in Africa will be improved and promoted by the forthcoming IAEG Congress, in which a number of engineering geologists from different African countries will participate.

Although IAEG has its membership over 5,000, this number is still lower than the number of engineering geologists over the world. The IAEG activity should draw their interest and help build up their technical capability and the role of engineering geologists in the society. To improve the contact of IAEG with its members, as well as

the contact with other geo-scientists by using Internet, is urgently needed.

In addition to IAEG sponsored conferences, some kinds of workshops, training courses and regional meetings based on bilateral or multi-lateral cooperation of national groups are also helpful to technical exchanges.

Acknowledgements

Before ending this report, I would like to express my sincere thanks to my dear colleagues in the IAEG Executive Committee. All Vice-Presidents excellently performed their duties and put the foundation of IAEG development. A special help in deciding important issues of IAEG was offered by Professor Paul Marinos. Dr. Michel Deveughèle made a great effort to operate IAEG activities. His work gained big success, because it is very efficient and exact in points. Pierre Pothérat, our treasurer, has fully contributed to the wealthy financial situation of our association. I should also sincerely thank our Past Presidents for their wise advices given always in time.

Special thanks should be given to the Chief-Editors, Brian Hawkins and Roger Cojean, and to leaders of Commissions and Working Groups for their important input to IAEG development. Their work is one of the most important pillars of IAEG as a learning society.

Dear colleagues from all National Groups, only through your effort IAEG can grow and develop. Your work constitutes the foundation of the prosperity of our Association and should be highly appreciated.

Thank you again to all of you ; I wish you the greatest possible success. I hope to still have your kind help and cooperation in the future.

Thank you for your attention.

Wang Sijing

Brief report of IAEG Executive Committee's and Council's meetings in 2002

Compte-rendu sommaire des réunions 2002 du comité exécutif et du conseil de l'IAIGI

By **Dr. Michel Deveughèle**, IAEG Secretary General / *Secrétaire général de l'IAIGI*

Le comité exécutif et le conseil de l'IAIGI se sont réunis à Durban (Afrique du Sud) les 14 et 15 septembre 2002, à l'occasion du 9^e congrès international de l'IAIGI. Dix des onze membres du comité exécutif étaient présents. Avec 42 délégués présents ou représentés (sur 75 membres ayant droit de vote), le quorum de 25 % étant dépassé, le conseil a pu valablement délibérer. Un compte-rendu complet de la réunion a été communiqué aux groupes nationaux et aux autres membres du conseil. Seuls les principaux points soumis à discussion et les décisions prises par le conseil sont présentés ci-après.

IAEG Executive Committee and Council gathered in Durban (South Africa) on 14th and 15th September 2002, on the opportunity of the IAEG 9th international congress. Ten out of the eleven members of the Executive Committee took part in the meeting. With 42 delegates present or represented (out of 75 members having the right to vote), the quorum of 25 % was largely reached and the Council could duly deliberate. A complete report of the meeting has been circulated to the national groups and to the other members of the Council. Only the main points submitted to the discussion and the decisions taken by the Council are presented here.

Membres – Groupes nationaux

En juillet 2002, l'IAIGI comptait officiellement 4.900 membres dont 3.022 recevant le *Bulletin of Engineering Geology and the Environment*, journal officiel de l'association édité par Springer Verlag. L'essentiel des membres appartiennent à l'un des 59 groupes nationaux que compte l'IAIGI. La plupart de ces groupes sont actifs. Cependant, trois groupes n'ont payé aucune cotisation depuis trois ans et plus. Le conseil a donc décidé de les radier s'ils ne régularisaient pas leur situation avant le 1er janvier 2003. Cette régularisation a été faite pour l'Algérie. Les deux autres groupes (Chili et Hongrie) ont été invités à faire de même, faute de quoi leur radiation sera effective. Le conseil a également dû entériner la démission du groupe national du Pakistan. Le nombre de groupes nationaux est donc ramené à 56 au 1er janvier 2003. Rappelons que ce nombre était officiellement de 65 en 1999, avant que le conseil ne décide d'appliquer effectivement le processus de radiation prévu par les statuts de l'association.

Le conseil a également approuvé à l'unanimité la proposition du comité exécutif d'attribuer la qualité de membre d'honneur de l'IAIGI à **Carl-Olof Morfeldt** (Suède) et à **Horacio Victor Rimoldi** (Argentine).

Finances

Le conseil a approuvé à l'unanimité le rapport financier du trésorier et a apprécié la bonne santé financière de l'association, avec un niveau des cotisations très bas par rapport à celui des associations comparables. Il a en outre décidé à l'unanimité moins une abstention l'attribution d'une aide annuelle de 15.000 euros à l'organisme du secrétaire général.

Attributions et représentativité des vice-présidents

Le conseil a demandé au comité exécutif élu pour la période 2003-2006 de présenter des propositions sur deux points :

- répartition cohérente et stable des groupes nationaux entre les deux vice-présidents pour l'Europe ;
- analyse de la situation de la zone Asie, où les groupes du Moyen-Orient et ceux de l'Asie du Sud et du Sud-Est sont représentés par le même vice-président.

Commissions et groupes de travail

Le conseil a approuvé les rapports d'activité des commissions actives C1, C10, C14, C16, C17, C18, et le rapport final du groupe de travail "*Roches ten-*

Members – National groups

The official number of IAEG members in July 2002 was 4,900 – 3,022 out of them receiving the *Bulletin of Engineering Geology and the Environment*, the official review of the association, edited by Springer Verlag. Most members belong to one of the IAEG 59 national groups. Most of these groups are active. Nevertheless, three groups have not been paying any fee for three years and more. The Council has then decided to dismiss in case they do not regularize their situation before 1st January 2003. Algeria has regularized its one. The two other groups (Chile and Hungary) have been asked to do so ; on the contrary, their dismissal will be pronounced. The Council has also taken note of the resignation of the national group of Pakistan. The number of national groups is then 56 on 1st January 2003. We would like to remind that this number was officially 65 in 1999, before the Council decided to follow the process of dismissal foreseen in the statutes of the association.

The Council has also unanimously agreed to the proposal of the Executive Committee to award the quality of IAEG honorary member to *Carl-Olof Morfeldt* (Sweden) and to *Horacio Victor Rimoldi* (Argentina).

Financial situation

The Council has unanimously approved the financial report of the treasurer and has appreciated the wealthy financial situation of the association, with a very low level of fees compared to the one of similar other associations. It has also unanimously decided (with an abstention) to grant a yearly financial contribution of 15,000 euros to the organism of the secretary general.

Functions and representativity of the vice-presidents

The Council has asked the Executive Committee elected for the period 2003-2006 to present suggestions on further two points :

- a coherent and stable sharing out of national groups between the two vice-presidents for Europe ;
- an analysis of the situation in Asia, where the groups of the Middle-East and those of South and South-East Asia are represented by the same vice-president.

Commissions and working groups

The Council has approved the activity reports of the active commissions C1, C10, C14, C16, C17, C18, and the final report of the working group "*Soft rocks*

dres et sols indurés en Amérique du Sud". Il a regretté l'absence de toute activité de la commission C4, "Enseignement et formation".

Le conseil a ratifié le projet de création d'une commission commune avec les sociétés sœurs de mécanique des roches et de mécanique des sols sur le thème "*Glissements de terrain*", baptisée JTC 1 (Joint Technical Committee n°1). Il a approuvé la désignation de Robin Fell comme président et de MM. Éric Leroi, Oldrich Hungr et William Savage comme membres représentant l'AIIGI. En conséquence de cette création, le conseil a décidé la suspension des travaux de la commission C2, "*Mouvements de terrain*".

Le conseil a également approuvé la création d'un groupe de travail européen commun à l'AIIGI, l'ISRM et l'ISSMGE sur le thème de la définition en Europe des champs professionnels de la géologie de l'ingénieur et du génie géotechnique, groupe placé sous la présidence du Prof. Helmut Bock.

Enfin, la création, à l'initiative d'Ibrahim Komoo, d'une commission sur le rôle de la géologie de l'ingénieur dans le développement durable, est en cours de finalisation. Le conseil examinera ce projet lors d'une prochaine réunion.

Bulletin of Engineering Geology and the Environment

Le conseil a félicité Brian Hawkins, rédacteur en chef, et Roger Cojean, co-rédacteur, de leur excellent travail. L'objectif reste l'inscription dans le Citation Index.

Il est vivement recommandé aux membres de l'AIIGI de donner la priorité à leur bulletin pour leurs publications et à citer les articles du bulletin dans leurs bibliographies.

10^e congrès international de l'AIIGI

La proposition présentée par le groupe national du Royaume-Uni d'organiser en 2006 le 10^e congrès international de l'association en Grande-Bretagne, sur le thème "***Engineering Geology of tomorrow cities***", est retenue à l'unanimité.

La localisation prévue initialement à Londres devra, si nécessaire, être revue en raison de son incidence sur le montant des coûts à supporter par les participants.

Manifestations parrainées par l'AIIGI

Le conseil a approuvé le parrainage d'un certain nombre de manifestations (cf. rubrique ci-après, dans cette lettre d'information).

and indurated soils in South America". It has regretted the absence of any activity from the commission C4, "Teaching and Training".

The Council has recorded the project of the creation of a common commission with the sister societies of rock mechanics and soil mechanics on the topic "*Landslides*", named JTC 1 (Joint Technical Committee No.1). It has approved the nomination of Robin Fell as chairman and of Messrs Éric Leroi, Oldrich Hungr and William Savage as IAEG representative members. Further to this creation, the Council has decided to interrupt the works of the commission C2, "*Landslides*".

The Council has also approved the creation of a European working group common to IAEG, ISRM and ISSMGE on the topic of the definition in Europe of the professional fields of Engineering Geology and Geotechnics, this group being chaired by Prof. Helmut Bock.

In the end, the creation, under the initiative of Ibrahim Komoo, of a commission on the role of Engineering Geology in the sustainable development, is being finalized. The Council will examine this project on a next meeting.

Bulletin of Engineering Geology and the Environment

The Council has congratulated Brian Hawkins, the editor in chief, and Roger Cojean, the co-editor, for their excellent work. The objective remains the inscription of the *Bulletin* in the Citation Index.

It is highly recommended the IAEG members to submit their papers in priority to their bulletin and to mention the papers of the bulletin in their references.

10th IAEG international congress

The proposal presented by the national group of the United Kingdom to organise in 2006 the 10th international congress of the association in Great-Britain, on the topic "***Engineering Geology of tomorrow cities***", is unanimously approved.

The initial venue of the congress was London, but it may be changed because of the possible high costs to be borne by the participants.

IAEG-sponsored events

The Council has approved the sponsorship of a certain number of events (see hereafter, in this newsletter).

Concernant le parrainage du prochain symposium international sur les glissements de terrain prévu en 2004 à Rio de Janeiro (Brésil) pour l'organisation duquel la participation de notre groupe national n'a pas été sollicitée, le conseil a adopté la résolution suivante :

"L'AIGI accorde son parrainage au symposium international sur les glissements de terrain de Rio de Janeiro en 2004 à la condition expresse que le groupe national de l'AIGI soit associé à l'organisation de ce symposium".

Élection du nouveau comité exécutif de l'AIGI 2003-2006

À l'issue d'un vote, à main levée pour les postes où le nombre de candidats était égal à celui des postes à pourvoir et à bulletin secret lorsqu'il était supérieur, le conseil a désigné le comité exécutif de l'AIGI pour la période 2003-2006 :

Président : Dr Niek Rengers (Pays-Bas)

Président sortant : Prof. Wang Sijing (R.P. de Chine)

Vice-président pour l'Afrique : M. Michel Bénet (Afrique du Sud)

Vice-président pour l'Amérique du Nord : Prof. Jacques Locat (Canada)

Vice-président pour l'Amérique du Sud : M. Norberto Jorge Bejerman (Argentine)

Vice-président pour l'Asie : Dr Hiroshi Oshima (Japon)

Vice-président pour l'Australasie : Dr Fred Baynes (Australie)

Vice-présidents pour l'Europe : Prof. Paolo Canuti (Italie) et Dr Lars Persson (Suède)

Secrétaire général : Dr Michel Deveughèle (France)

Trésorier : M. Pierre Pothérat (France)

Ce comité exécutif entrera en fonction le 1er janvier 2003.

Prochaines réunions du comité exécutif et du conseil

Lieu : Istanbul (Turquie), à l'occasion du symposium international sur les minéraux industriels et les pierres de construction "IMBS 2003"

Dates :

Comité exécutif : samedi 13 septembre 2003

Conseil : dimanche 14 septembre 2003

Avant que le président Wang Sijing ne déclare close la réunion, Marcel Arnould, président d'honneur, et Ricardo Oliveira, ancien président, font approuver une motion de remerciements au comité exécutif sortant (1999-2002).

As for the sponsorship of the next international symposium on landslides foreseen to take place in Rio de Janeiro (Brazil) in 2004, the organisation of which the participation of our national group has not been required, the Council has adopted the further resolution :

"The IAEG grants its sponsorship to the international symposium on landslides in Rio de Janeiro in 2004 provided that the IAEG national group be associated to the organisation of this symposium".

Election of the new IAEG Executive Committee for 2003-2006

A vote has been organised, on a show of hands for the functions where the number of candidates was equal to the one of positions to grant, through a secret vote when this number was higher. After the vote, the Council has designed the IAEG Executive Committee for the period 2003-2006 :

President : Dr Niek Rengers (the Netherlands)

Immediate past president : Prof. Wang Sijing (P.R. of China)

Vice-president for Africa : Mr Michel Bénét (South Africa)

Vice-president for Asia : Dr Hiroshi Oshima (Japan)

Vice-president for Australasia : Dr Fred Baynes (Australia)

Vice-presidents for Europe : Prof. Paolo Canuti (Italy) and Dr Lars Persson (Sweden)

Vice-president for North America : Prof. Jacques Locat (Canada)

Vice-president for South America : Mr Norberto Jorge Bejerman (Argentina)

Secretary general : Dr Michel Deveughèle (France)

Treasurer :Mr Pierre Pothérat (France)

This Executive Committee will take its functions on 1st January 2003.

Next meetings of the Executive Committee and of the Council

Venue : Istanbul (Turkey), on the opportunity of the international symposium on industrial minerals and building stones "IMBS 2003"

Dates :

Executive Committee : Saturday 13th September 2003

Council : Sunday 14th September 2003

Before President Wang Sijing closes the meeting, Marcel Arnould, honorary president, and Ricardo Oliveira, past president, ask the Council to thank with the immediate past Executive Committee (1999-2002).

IAEG Executive Committee for 2003-2006

Comité Exécutif de l'AIIGI pour 2003-2006

President

Dr Niek RENGERS

International Institute for Aerospace Survey and Earth Sciences ITC

Hengelosestraat 99

P.O. Box 6

7500 AA Enschede

The NETHERLANDS / PAYS-BAS

Fax + 31.53.487.43.36

E-mail rengers@itc.nl

Past President

Professeur Sijing WANG

Institute of Geology

Chinese Academy of Sciences

P.O.Box 9825

Beijing 100029

P.R. of CHINA / R.P. de CHINE

Fax + 86.10.62.04.05.74

E-mail wangsijing@hotmail.com

Secretary General

Dr Michel DEVEUGHÈLE

Centre de Géologie de l'Ingénieur

Université de Marne-la-Vallée

Bâtiment IFI

Cité Descartes

5, boulevard Descartes

Champs-sur-Marne

77454 Marne-la-Vallée cedex 2

FRANCE

Fax + 33.1.49.32.91.28

E-mail

michel.deveughele@ensmp.fr

iaeg-sg@cgi.ensmp.fr

Treasurer

Dr Pierre POTHÉRAT

CETE de Lyon

Laboratoire Régional de Lyon

25, avenue François-Mitterrand

Case n°1

69674 Bron cedex

FRANCE

Fax + 33.4.72.14.33.42

E-mail

pierre.potherat@equipement.gouv.fr

Vice-President for Africa

Michel BÉNET

Drennan, Maud & Partners

"Colinton"

68 Ridge Road

Durban 4001

SOUTH AFRICA / AFRIQUE DU SUD

Fax + 27.31.201.79.20

E-mail mbenet@iafrica.com

[National groups : Algeria – Senegal – South Africa]

Vice-President for Asia

Dr Hiroshi OHSHIMA

Kokusai Kogyo Co., Ltd.

Department of Research and Development

2 Rokubancho

Chiyoda-ku

Tokyo 102-0085

JAPAN / JAPON

Fax + 81.3.3262.6150

E-mail hiroshi_oshima@kkc.co.jp

[National groups : P.R. of China – India – Indonesia – Iran – Japan – Korean Republic (South) – Malaysia – Nepal – Singapore – South-East Asia – Vietnam]

Vice-President for Australasia

Dr Fred BAYNES

Baynes Geologic Pty Ltd.

10/272 Hay Street

Subiaco WA 6008

AUSTRALIA / AUSTRALIE

Fax + 61.8.93.82.15.64

E-mail fredb@iinet.net.au

[National groups : Australia – New Zealand]

Vice-Presidents for Europe

[National groups : Albania – Austria – Belgium – Bulgaria – Croatia - Cyprus – Czech Republic – Denmark – Estonia – Finland – France – Georgia – Germany – Greece – Hungary – Iceland – Ireland – Israel – Italy – Lithuania – The Netherlands - Norway –Poland – Portugal – Rumania – Russia – Slovakia – Slovenia – Spain – Sweden – Switzerland - Turkey – United Kingdom – Yugoslavia]

Professeur Paolo CANUTI

Dipartimentodi Scienze della Terra

Università degli Studi di Firenze

Via G. La Pira, 4

50121 Firenze

ITALY / ITALIE

Fax + 39.055.275.62.96

E-mail canuti@geo.unifi.it

Dr Lars PERSSON

Geological Survey of Sweden

P.O. Box 670

751 28 Uppsala

SWEDEN / SUÈDE

Fax + 46.18.17.92.10

E-mail lars.persson@sgu.se

persson@uppsala.mail.telia.com

Vice-Président for North America

Professeur Jacques LOCAT

Department of Geology and Geological Engineering

Laval University

Québec

CANADA G1K 7P4

Fax + 1.418.656.73.39

E-mail locat@ggl.ulaval.ca

[National groups : Canada – Mexico – USA]

Vice-President for South America

M. Norberto Jorge BEJERMAN

Dirección provincial de Vialidad Unidad Ambiental

Casilla de Correo 846

X 5000 ZAA Córdoba

ARGENTINA / ARGENTINE

Fax + 54.351.456.35.47

E-mail

jbejerman@infovia.com.ar

[National groups : Argentina – Brazil – Chile – Colombia – Paraguay – Peru – Venezuela]

IAEG sponsored events – Réunions parrainées par l'AIIGI

2003

14-16 May 2003, Sorrento (Italy) : *International conference on fast slope movements - prediction and prevention for risk mitigation*

Contact : Domenico Calcaterra

E-mail : domcalca@unina.it

www.unina2.it/fsm2003

28-30 July 2003, Nottingham (United Kingdom) : *An international conference on problematic soils*

(organized by CI-Premier Conference Organisation, Singapore ; co-sponsored by IAEG Commission C18, "Collapsing soils")

Main themes : Peat and organic soils ; Volcanic soils ; Expansive soils ; Collapsible soils ; Decomposed soils ; Contaminated soils ; Fills ; Unsaturated soils and other soils

Contact : The Conference Director (PS03), CI-Premier PTE Ltd., 150 Orchard Road # 07-14, Orchard Plaza, Singapore 238841

Tel : + 65.67.33.29.22

Fax : + 65.62.35.35.30

E-mail : cipremie@singnet.com.sg

http://www.cipremier.com

15-18 September 2003, Istanbul (Turkey) : *International symposium on industrial minerals and building stones*

(organized by the Turkish national group of IAEG ; sponsored by IAEG)

Main topics : Industrial minerals (cement industry ; ceramic and glass industries ; lime and plaster industries) ; Building and ornamental stones (dimension stones ; aggregates ; embankment materials ; contemporary and future trends in the stone industry ; gemstones ; deterioration of building stones and conservation of historical monuments) ; Role of engineering geologists in the field of mineral and building stones industries

Contact : IMBS 2003, Symposium secretariat, ODS Tourism and Travel Ltd., Yıldız Çiçeği Sok, 12/1, 8630 Etiler Istanbul, Turkey

Tel : + 90.212.287.58.00

Fax : + 90.212.263.45.81

<http://www.imbs2003.org>

22-26 September 2003, Bled (Slovenia) : *1st international conference on groundwater in geological engineering*

(organized by the Slovene committee of IAH with the participation of the Slovene committee of IAEG)

Scope : Regional or interurban infrastructure ; urban infrastructure ; small scale infrastructure or local facilities ; energy producing infrastructure ; industry and mining ; natural hazards

Themes : groundwater as a risk factor and/or a technical constraint ; groundwater as an environmental constraint ; groundwater as a socio-economic constraint

Contact : Mr Andrej Juren, organising secretary, Društvo SKIAH, Slovene Committee of IAH, Kebetova 24, 1000 Ljubljana, Slovenia

Tel-Fax : + 386.1.230.24.42

E-mail : andrej.juren@siol.net

<http://www.pivo-union.si/ICGGE-2003/>

<http://www.drustvo-skiah.si>

13-15 October 2003, Stockholm (Sweden) : *GEOPROC 2003 - International conference on coupled THMC processes in geosystems : fundamentals, modelling and experiments*

(organized by the Royal Institute of Technology, Stockholm, Sweden ; co-sponsored by IAEG)

Main themes : Fundamentals of modelling coupled THMC processes of geosystems ; Coupled THMC processes in radioactive waste disposal, in geothermal reservoirs and hot dry and wet rock systems, in oil and gas reservoir, in geological systems, in geotechnical and environmental engineering

Contact : www.H-T-M-C.org

5-7 November 2003, Utrecht (The Netherlands) : *First international conference on "Sustainable Development and Management of the Subsurface"*

(organized by Delft Cluster, co-sponsored by IAEG)

Contact : SDMS Conference 2003, Attention Mrs S. van der Lugt, P.O. Box 69, 2600 AB Delft, The Netherlands

Phone : + 31.15.269.37.94 - Fax : + 31.15.269.37.99

E-mail : info@delftcluster.nl

www.delftcluster.nl

2004

3-5 May 2004, Hong Kong (China) : 4th Asian Symposium on Engineering Geology and the Environment, "Engineering Geology for Sustainable Development in Mountainous Areas"

(organized by the University of Hong Kong, Cheng-du University of Technology, and China University of Geosciences, Wuhan ; co-sponsored by IAEG)

Main topics : Natural and man-made geo-engineering/environmental hazards : regional perspectives ; Mechanisms of large-scale instabilities ; Remote sensing and GIS in land-use planning and hazard prediction ; Origins, measurements and analyses of high stresses ; Engineering geology for infra-structural development : case histories ; Geo-environmental impacts of natural resource exploitation and engineering projects

Contact : Dr A. Aydin, Department of Earth Sciences, The University of Hong Kong, Hong Kong SAR, China

Fax : + 852.25.17.69.12

E-mail : IAEG-Asia@hku.hk

<http://www.earthscience.hku.hk/IAEG-Asia.html>

<http://www.geohp.com/IAEG-Pre-reg.html>

21-24 June 2004, Calgary(Canada) : International conference on Geo-Engineering for Resource Development

(co-sponsored by IAEG, ISRM and ISSMGE)

Main topics : Oil/gas ; Mining ; Water ; Nuclear waste ; New energy sources ; Forestry

Contact : Geo-Engineering for Resource Development Secretariat, Room 303, Civil Engineering Building, Department of Civil and Environmental Engineering, University of Alberta, Edmonton AB, Canada T6G 2G7

Phone : + 1.780.492.21.76

E-mail : spetaske@civil.ualberta.ca

20-28 August 2004, Florence (Italy) : 32nd international geological congress, "From the Mediterranean area toward a global geological renaissance - Geology, natural hazards and cultural heritage"

G02 General symposium, "Engineering Geology"

G02.1 Site investigations, testing and monitoring in engineering geology

G02.2 Progress in geotechnical classification

G02.3 The interplay between soil and rock mechanics and engineering geology related to stability assessment for slopes and underground works

- GO2.4 Ground subsidence and collapses
- GO2.5 Construction materials for large engineering works
- GO2.6 Engineering geology related to large civil engineering and mining engineering works
- GO2.7 Siting and design of critical industrial facilities / infrastructures

Contact :

32nd IGC : www.32igc.org

(GO2 : Prof. Paolo Canuti - e-mail :

canuti@geo.unifi.it)

4-7 May 2004, Liège (Belgium) : EurEnGeo2004, 1st European regional IAEG conference, "Professional practices and engineering geological methods in European infra-structure projects"

(organized by the IAEG national groups of Belgium, Germany and the Netherlands)

Main topics : 1) Professional practices : a) co-operation / competition between geologists / engineers, b) education requirements, c) standardisation (ISO, CEN, etc.) ; 2) Engineering geological methods : a) digital characterisation and modelling of the subsurface, b) new developments in site investigation, testing and performance monitoring ; 3) Infrastructure projects (case studies) : a) inner-city projects, b) European traffic routes, c) mining projects, d) redevelopment and reclamation of land

Workshops : Hazardous geological processes in civil engineering ; New developments in risk evaluation

Contact : Secretariat EurEnGeo 2004, c/o Robert Charlier, Département GéomaC, Université de Liège, Chemin des Chevreuils 1, Bâtiment B 52/3, 4000 Liège, Belgium

Phone : + 32.4.366.93.34

Fax : + 32.4.366.93.26

E-mail : Robert.Charlier@ulg.ac.be

2004, Rio de Janeiro (Brazil) : International symposium on landslides

2005

30 May- 1 June 2005, Lyon (France) : GEOLINE Symposium 2005 : Geology and linear structures

(organized by the Comité Français de Géologie de l'Ingénieur and the Bureau de Recherches Géologiques et Minières - France ; co-sponsored by IAEG)

September 2005, Sofia (Bulgaria) : International Symposium, "The last natural disasters - New challenges for the Engineering Geology and the Geotechnics"

(organized by the Bulgarian national group of IAEG ; co-sponsored by IAEG)

Contact : Ass. Prof. Kiril Anguelov, 11 Prof. G. Zlatarski Str., Vitosha Residential Estate, Sofia 1126, Bulgaria

Phone : + 359.88.555.812

Fax : + 359.2.685.437

E-mail : geolobby@mail.bg

28-30 September 2005, Kathmandu (Nepal) : 5th Asian Regional Conference on "Engineering Geology for Major Infrastructure Development and Natural Hazards Mitigation"

(organized by the Nepal Geological Society ; co-sponsored by IAEG and Asian regional groups of IAEG)

Contact : The President, Nepal Geological Society, P.O. Box 231, Kathmandu, Nepal

E-mails : ngs@wlink.com.np

bnupreti@wlink.com.np

2005, Beijing (P.R. of China) : International symposium on geology and geotechnical engineering, "Large scale projects - Combination of geology and engineering, engineering geology and geotechnical engineering"

(organized by the China national group of IAEG and the Engineering Geology Committee of China Society of Geology)

2006

14-17 September 2006, Nottingham (United Kingdom) : 10th international congress of the International Association for Engineering Geology

and the Environment, "Engineering geology of tomorrow's cities"

<http://www.iaeg2006.com>

2002 HANS-CLOOS MEDAL'S GRANTING TO SIR JOHN KNILL

REMISE DE LA MÉDAILLE HANS-CLOOS POUR L'AN 2002 À M. JOHN KNILL

Hans-Cloos Medal was awarded to Sir John Knill during the IAEG General Assembly held in Durban on 17th September 2002. On this opportunity, President Wang Sijing pronounced the following speech :

Ladies and gentlemen, dear colleagues,

*As you have already known, the winner of Hans Cloos Medal is the worldwide known knighted professor of Engineering Geology, who gave excellent and orientation lecture yesterday on the Opening of the Congress, **Professor Sir John Knill, U.K.***

Sir John Knill received high honor of knight Bachelor in 1994 for his services to science, particularly Engineering Geology and Environmental Science.

Sir John Knill has been awarded with more than 15 honors since 1953, Murchison Medal, Imperial College, up to the Hans Cloos Medal 2002. This is a record of his achievements and contributions.

Sir John Knill started his science with winning Ph.D. Degree in Geology, Imperial College 1957, and then Doctor of Science in the University of London, in 1981, he become an established leading person in Engineering Geology.

Sir John Knill has published 115 papers books and articles, and very important he engaged 100 projects to solve its key problems using his science knowledge and building up his science.

Sir John Knill's science and engineering cover wide scope of engineering geology for major construction, water and mining industries, rock mass behavior and slopes ground water engineering, waste disposal, geological conservation, environment protection and mitigation of natural hazards.

His worldwide activity is spreading in Antarctica, Argentina, Botswana, Channel Islands, China Hong Kong, Cyprus, Colombia, Greece, Indonesia, India, Iran, Jordan, Malaysia, Mauritius, Nepal, Nigeria, Oman, Philippines, South Africa, Sudan, Tanzania, Turkey, United Arab Emirates, Zambia, U.K., etc.

Epecially, his work in Hong Kong contributed a lot to the slope safety of the city in hills.

I think I cannot give a real comprehensive introduction of Sir John Knill's achievements in a short time, but all of you know him well.

Now it is a great honor for me to award him with the Hans Cloos Medal of 2002. Thank you.

President Wang Sijing

After having received Hans-Cloos Medal, Sir John Knill gave this reply speech :

Mr President, I wish to express my most sincere appreciation to yourself, th IAEG Executive Committee and the Association for honouring me through the award of the Hans-Cloos Medal. This most generous decision has given me particular pleasure not least because it was so unexpected.

I am conscious that I join a pantheon of exceptionally distinguished engineering geologists : Quido Zaruba, Leon Calembert, Marcel Arnould, Richard Wolters, Leopold Muller, Eugeny Michailovic Sergeev, David Varnes, William Dearman, Michael Langer, William Judd, Ricardo Oliveira, Owen L. White and Paul Marinos. I have had the pleasure of knowing all the previous recipients, and some have become my good friends. I am particularly conscious that most of those who have been awarded the Medal in the past have made major contributions both to the Association

and to Engineering Geology. The opportunity to serve the Association never came to me while it was practicable. I recognise therefore that the award of the Medal to me must be based upon my work as an engineering geologist which leaves me with an even greater sense of humility.

I was fortunate that parental guidance directed me, first, to geology and then to engineering geology. My doctoral research, in the Scottish Highlands, concentrated on the small-scale deformation of low grade metamorphic rocks which was derived very much from the techniques introduced by Hans Cloos in the previous decades. I then carried out studies into the groundwater resources of Greater Tehran, and dam sites in the Alborz mountains range north of that city. The next thirty one years were spent teaching and researching in engineering geology at Imperial College developing, in particular, an international MSc course. During this period I had the privilege to work closely with Michael de Freitas, Robert Chaplow and Michael Rosenbaum. From the very start I had the opportunity to work directly as a consultant engineering geologist on engineering projects, particularly dam and tunnel projects, including Latiyan, Roseires, Cow Green, Cruachan, Tyne, and Lar. From this experience I learnt both the role of the engineering geologist, and the deficiencies in the systems which then existed to transfer geological information into meaningful engineering conclusions. I met many industrial engineering geologists from whom I learnt a lot, and of these I formed a special bond with David Price, of Delft. It was all experience beyond value.

Imperial College unfortunately recognised, in me, the characteristics of a good committee man and for many years I was deeply involved in administration becoming Head of my Department, and Dean of the Royal School of Mines. Much of my time was also devoted to the creation of a professional ethos for geology in the United Kingdom. Although the work is not finished, we passed a major milestone over ten years ago with the creation of the status of Chartered Geologist.

I also had an opportunity to see something of the role of science in Government, becoming Chairman of the United Kingdom's Radioactive Waste Management Advisory Committee, and a member of Nature Conservancy Council, responsible for the conservation of over 2,000 special earth science sites.

Possibly it was not so much of a surprise, that with all this experience of academia, industry and government, I then became Chairman and Chief Executive of the Natural Environment Research Council. NERC is responsible for most of the environmental research carried out in the UK through the funding of universities and its own institutes, with an agenda ranging over geological, polar, ecological, freshwater, oceanographic, and meteorological science.

It was possibly also not surprising that in 1993, I decided to return to engineering geology, and became freelance working mainly in dispute resolution, safety and risk in south-east Asia and the Middle East.

It has been a diverse, challenging and enjoyable career. Throughout my wife Diane has been a source of immense support and encouragement not least during the difficult task I found in writing the first Hans-Cloos Lecture, and preparing it for this Congress. I very much appreciate the supportive comment which has been made to me on the lecture in the last two days.

Mr President, can I thank you, and association, again for your magnanimous tribute.

Sir John Knill

2002 RICHARD-WOLTERS PRIZE TO ASS. PROF. DR. ATIYE TUGRUL

PRIX RICHARD-WOLTERS 2002 AU PROF. ASS. DR. ATIYE TUGRUL

Richard-Wolters Prize was awarded to Dr Atiye Tugrul from Turkey during IAEG General Assembly held in Durban (South Africa) on 17th September 2002. On this occasion, President Wang Sijing pronounced the following speech :

Ladies and gentlemen, dear colleagues,

*I am pleased to announce that the winner of the Richard Wolters Prize for 2002 is **Associate Professor Dr. Atiye Tugrul, Turkey.***

I should here mention that the IAEG Executive Committee recommended giving a honor mention for two other candidates, Dr. Filipe Telmo Jeremias of Portugal and Rejean Couture of Canada, for their excellent achievements to the Assembly.

The winner of the Richard Wolters Prize, Dr. Atiye Tugrul is currently the Associate Professor of Applied Geology Division, Department of Geological Engineering, Engineering Faculty, and Istanbul University of Turkey.

She received MSc degree in 1990, in the Istanbul University, with thesis of "classification of Rock Masses in Ataturk Dam Grouting Galleries".

She received PhD degree in 1995, in the Istanbul University, with thesis of "the effect of weathering on the engineering properties of Niksar Basalts".

Dr. Tugrul has been leading the rock weathering, rock material of aggregates, building stones and ornamental rocks research in the Istanbul University.

Her teaching, research and practical experiences span from engineering geology to rock material engineering, rock and soil mechanics.

She published over 35 technical papers and reports. Since 1996 she regularly attended IAEG meetings.

She is in charge of vice-chairperson of Commission No. 17 on Aggregates. She is also a member of IAEG Commission No. 10 on building stones and ornamental rocks and Commission No. 16 on Engineering Geology and protection of Monuments. She made significant contributions to the work of Turkey IAEG national group.

She is worthy win the Richard Wolters Prize.

We sincerely congratulate you, and we are convinced that you will have more success for Engineering Geology and for IAEG. Thank you.

President Wang Sijing

Dr. Atiye Tugrul received Richard-Wolters Prize and gave thanks speech :

Dear Mr President, members of Executive Committee and distinguished delegates,

I feel honoured and extremely happy to be awarded Richard-Wolters prize. I wish to express my gratitude and respect to IAEG executive committee for bestowing this honour upon me. I wish also to express my thanks to

the executive board of Turkish National Group that have presented my nomination to the association, to Istanbul University,

Geological Engineering Department for providing me suitable environment for my scientific researches, to those people who have played a decisive and significant role in the path of my scientific and professional life, and finally to my family and especially to my husband as I spent most of my time for my scientific studies.

As it had been proved in all civilisations throughout history, stone has been used as the most dependable tool in human life. People have relied on this tool from sheltering to getting messages about the past. Today, it is so obvious that the importance of the stone industry, which increases in variety, is not debatable. In just the same way, building stones will be the main topic of the IMBS 2003 symposium that will be hosted in monuments and weathering of rocks as the main subject of my academic studies. I tried to put this subject on the agenda of the several meetings held both in Turkey and different countries under organisation by IAEG. As a female engineering geologist, IAEG executive board's approval and having been given Richard-Wolters prize help me to accelerate my studies.

Again, I want to emphasize how much I am honoured and happy to get the Richard-Wolters prize. By this means, I am commemorating Dr Richard Wolters with respect, and express my most sincere gratitude to IAEG executive committee and the delegates. Thank you !

Dr Atiye Tugrul

2004 HANS-CLOOS MEDAL AND RICHARD-WOLTERS PRIZE

CALL FOR NOMINATION

MÉDAILLE HANS-CLOOS ET PRIX RICHARD-WOLTERS POUR 2004

APPEL À CANDIDATURES

Hans-Cloos Medal is the senior award presented by IAEG, given to an engineering geologist of outstanding merit in commemoration of the "founder of geomechanics". The recipient should therefore be a person of international repute who has made a major contribution to engineering geology in his/her written papers or to the development of engineering geology and/or the IAEG in their own area.

Distinguished Bearers of Hans Cloos Medal

1977- Quido Záruba (Czechoslovakia)
1978 - Léon Calembert (Belgium)
1980 - Marcel Arnould (France)
1982 - Richard Wolters (Germany)
1984 - Leopold Müller (Austria)
1986 - Evguenii M. Sergeev (Russia)
1989 - David J. Varnes (United States of America)
1990 - William R. Dearman (United Kingdom)
1992 - Michael Langer (Germany)
1994 - William R. Judd (United States of America)
1996 - Ricardo Oliveira (Portugal)
1998 - Owen L. White (Canada)
2000 - Paul G. Marinos (Greece)
2002 - Sir John Knill (United Kingdom)

Richard-Wolters Prize specifically recognises meritorious scientific achievement by a younger member of the engineering geology profession (less than forty years old on 1st January 2004) and is awarded to honour Dr. Wolters' many contributions to international understanding and co-operation.

Richard Wolters' Prize recipients

1988 - Kiril Anguelov (Bulgaria)
1992 - Lorenz Dobereiner (Brazil)
(Honourary mention : Sarra Pistone, Argentina)
1996 - Cees J. Van Western (The Netherlands)
(Honourary mention : Huang Runqiu, P.R. of China)
1998 - QinSiqing (P.R. of China)
2000 - Jian Zhao (Singapore)
2002 - Atiye Tugrul (Turkey)
(honourary mention : Réjean Couture, Canada, and Filipe Telmo Jeremias, Portugal)

Nominations must normally be made by a national group but members of the Executive Committee and Past Presidents may also propose individuals. **Nominations must be sent to the IAEG President or the IAEG secretary general not later than 30th June 2003.**

JTC 1

IAEG-ISRMI-ISSMGE Committee on Landslides

Comité technique commun AIGI-SIMR-SIMSGE sur les glissements de terrain

On the basis of a formal decision taken on a meeting in Melbourne in 2000 between the presidents of the three sister societies working on Engineering Geology, Rock Mechanics and Soil Mechanics, the project of the creation of a common commission named JTC 1 (Joint Technical Committee No.1) on the topic "Landslides" has been prepared from February 2002 and approved by the authorities of the three sister societies. The President of JTC 1 is Prof.

Robin Fell, from the University of New South Wales, Australia. A first list of members has been established. IAEG is represented by Mr Oldrich Hungr (Canada), Mr Éric Leroi (France), Mr Robert Schuster and Mr William Savage (USA).

Membership

Chairman

Professor Robin Fell (Australia)

r.fell@unsw.edu.au

Secretary

Mr Kurt Douglas (Australia)

k.douglas@unsw.edu.au

Contact address :

School of Civil and Environmental Engineering

The University of New South Wales

Sydney NSW 2052

Australia

Fax : + 61.2.93.85.61.39

Members (October 2002)

Ass. Prof. Garry Mostyn (Australia)

g.mostyn@unsw.edu.au

Mr Éric Leroi (France)

eric.leroi@geoter.fr

Prof. Willy Lacerda (Brazil)

Willy@geotec.coppe.ufrj.br

Prof. Milton Kanji (Brazil)

makanji@usp.br

Prof. Oldrich Hungr (Canada)

ohungr@eos.ubc.ca

Dr Robert Schuster (USA)

rschuster@usgs.gov

Dr William Savage (USA)

savage@usgs.gov

Prof. Christophe Bonnard (Switzerland)

Christophe.Bonnard@epfl.ch

Mr H.N. Wong (Hong Kong)

hnklwong@netvigator.com

Dr George Illov (Bulgaria)

gilov@techo-link.com

Dr Amod Sagar Dhakel (Canada)

dhakal@interchange.ubc.ca

Mr Jean-Louis Durville (France)

jean-louis.durville@equipement.gouv.fr

Prof. Herbert Einstein (USA)

einstein@mit.edu

Dr Hiroyuki Nakamura (Japan)

hnaka@cc.tuat.ac.jp

Prof. A.M. Demin (Russia)

rusmsgfe@m9.ru

Draft Terms of Reference

The committee is responsible for :

- (a) Discussing, advancing and developing the science and engineering of landslides and engineered soil and rock slopes.
- (b) Encouraging the collaboration of those who practise in soil mechanics, rock mechanics, engineering geology, mining engineering, geomorphology and geo-

graphy; as applied to landslides in natural and engineered slopes.

(c) Fostering and organising conferences, symposia and workshops, including the International Symposia on Landslides, which are held at four year intervals.

(d) Contributing to the International Congresses / and Conferences of the ISSMGE, IAEG and ISRM.

(e) Fostering the development, and implementation into the community, landslide hazard identification, monitoring, modelling, risk assessment techniques, risk tolerance criteria, and landslide risk management.

(f) Fostering the organisation of training schools, and preparation of guidelines, and codes of good practice to allow the transfer and implementation into general practice of new developments.

Progress report to 25th October 2002 (by Prof. Robin Fell)

α Introduction

The ISSMGE –IAEG - ISRM Committee on Landslides began its work in April 2002 with my appointment as the chair of the Committee and the appointment of core members soon after.

α Membership

The list of the current committee members and their e-mails are given above. We are seeking to diversity the membership and have been seeking suggestion for additional members from contacts in Africa, China, and South America.

α Terms of reference

Draft terms of reference have been prepared in consultation with committee members. These were forwarded to the Presidents of the three societies on September 30th 2002 for their consideration.

α ISL 2004 – International symposium on landslides, Rio de Janeiro, Brazil

JTC-1 is responsible for organisation of the International Symposia on Landslides which are held every four years. As had been decided by TC-11 (ISSMGE), ISL 2004 is to be held in Rio de Janeiro, Brazil from June 28 to July 2, 2004. Professor W. Lacerda is chair of the organising committee.

After a considerable amount of discussion (by email) between myself, Professor Lacerda, and JTC-1 members, it has been decided that the main themes for the Symposium will be:

- Advances in Rock and Mine Slopes Design
- Advances in Field Instrumentation and Field and Laboratory Investigations

- Pre failure mechanics of landslides in soil and rock, including creep, softening, progression failure and sliding in contractive soils.
- Post failure mechanics of landslides, particularly earth and debris flows
- Advances in technology of stabilization of soil and rock slopes, including sub-surface drainage and reinforcement, and risk reduction methods.
- Slope movements affecting engineering structures (lifelines, dams, roads, submarine landslides in oil fields)

There will also be three invited speakers representing ISSMEG, IAEG and ISRM. They will speak on a landslide topic of their choice. I have proposed to Professor Lacerda that there be a Symposium Advisory Committee who will be responsible for selecting keynote lecturers, panelists and session chairs; to review the proposed program, review symposium promotional material; and to

consider progress reports on preparation for the Symposium.

α Other activities

Other matters considered so far include :

- (a) JTC-1 is supporting the International Conference on Fast Slope Movements – and International Workshop on Occurrence and Mechanics of Flows in Natural Slopes and Earthfills, which is to be held in Sorrento, Italy from 11th to 16th May 2003. These events were already in preparation when JTC-1 was formed.
- (b) JTC-1 will organise an International Conference on Landslide Risk Management to be held in late 2004, or in 2005, probably in France. This will include a structured series of State of the Art Papers so the proceedings will become the text for this topic. I have been communicating with Dr. F. Nadim, Chair of TC32

and we are near agreement that the two committees will cooperate together to organise this conference, with JTC-1 taking the lead role.

- (c) We have been in contact with Dr. F.W. Eder, Director, Division of Earth Sciences, UNESCO, in regards to assisting UNESCO in their activities, including the International Programs on Landslides. We will know more on that after UNESCO meetings in October and November 2002.

α Meeting of committee

The Committee will meet in Sorrento, Italy during the Conference there in May 2003. We will also meet in Rio de Janeiro, Brazil in June 2004. In the Sorrento meeting, we will map out a program for the next 2-3 years work, which is likely to include other specialist workshops, and possibly preparation of guidelines.

Meeting for representatives of IAEG European National Groups

Durban, 19th September 2002

Réunion des représentants des groupes nationaux européens

Durban, 19 septembre 2002

Meeting chaired by Niek Rengers, IAEG vice-president for Europe

Meeting secretary : Lars Persson

Participants : Helmut Bock, Rodney Chartres, Basile Christaras, Volker Eitner, Miklos Galos, Luis Gonzales de Vallejo, Cristian Marunteanu, Daniel Morfeldt, Paul Nathanail, Martin Ondrásik, Aurèle Parriaux, Mike Rosenbaum, Milena Samalikova, Peter Scharek, Siefko Slob, Ferdinand Stölben, Pekka Vallius and Matthias Witte

The chairman opened the meeting and welcomed all participants.

A participant list was distributed for signing.

α Reporting and discussion on the definition of the professional fields in Engineering Geology and Geotechnical Engineering

A European IAEG-ISRME-ISSMGE joint working group has been established. Helmut Bock reported on the current situation. A report from July 2002 has been delivered. The joint working group has been formally installed by the Presidents of ISRME (M. Panet), ISSMGE (W.F. van Impe), and the IAEG Vice-President for northern Europe, Niek Rengers (President of IAEG from 2003). The group, chaired by Helmut Bock, is requested to work out a document with detailed Terms of Reference for its work coming years. The first and most important objective is to define the professional practice of engineering geologists and geotechnical engineers as a basis for use in the European region. This is to be illustrated with a proposal for a uniform European definition of the tasks and responsibilities and of professional experience. As the situation is different in most countries, an inventory of the situation is to be made, and to be followed by a suggestion for a uniform definition of the professional practices, to be submitted to the European Union and to the countries, which are not yet members of the EU. A second objective is to come up with recommendations as to the contents of curricula in the higher education systems of the European countries. The work of the joint working group shall be based on input from the industry, geotechnical consultants and institutions of higher education, from the different countries. European Federation of Geologists and European Federation of Engineers shall be invited to contribute as observers in the JWG.

α Presentation and reporting of the preparation of the 1st European Regional IAEG Conference, EurEnGeo 2004, in Liège, Belgium 4–7 May, 2004

The national groups of Belgium, Germany and the Netherlands cooperate. Siefko Slob reported. The topic is "Professional Practices and Engineering Geological Methods in European Infrastructure Projects" with the following themes: Professional practices, Engineering geological methods and Infrastructure projects. Two workshops will be held: Hazardous Geological Processes in Civil Engineering and New Developments in Risk Evaluation. The 1st Bulletin and Call for papers will be delivered in December 2002.

The contact person is : Robert.Charlier@ulg.ac.be

A web site is established : www.eurengeo2004.org

Similar topics at the IGC in Firenze, also in 2004, have to be considered.

α ISO and CEN activities related with geotechnical engineering in the European perspective

Volker Eitner made a presentation and overview. Different stages in the process are the following: proposal stage, preparatory stage, committee stage (CD), enquiry stage (DIS), approval stage (FDIS) and publication stage (ISO).

The meeting of ISO/TC 182/SC1 was held in Durban, September 14-15th. Work on ISO/FDIS 14688-2:2002, Geotechnical investigation and testing – identification and classification of soil – Part 2: Classification principles and quantification of descriptive characteristics and ISO/FDIS 14689:2002, Geotechnical investigation and testing – identification and description of rock was performed. It was concluded that the ISO/CEN work is important for IAEG and its activities and more information has to be gathered and spread among the national groups. As a first step, links can be established in the IAEG website.

The **next meeting** will be in **Istanbul, Turkey**. The International Symposium there, September 15-18th 2003, concerns Industrial Minerals and Building Stones.

Meeting of IAEG Commission C-10 (Building Stones and Ornamental Rocks)

Durban, 19th September 2002

Réunion de la Commission C-10 de l'AIGI (Pierres de construction et roches ornementales)

Durban, 19 septembre 2002

Meeting chaired by Raimo Uusinoka, acting as chairman in the absence of Asher Shadmon, chairman of the C-10 Commission

Meeting secretary : Maria Heloisa Frasco

Participants : Bruce Riddolls, Vincenzo Simeone, Lars Persson, Daniel Morfeldt, Milena Samalikova, Zenaide Silva, Erdogan Yzer, Martin Ondrasik, Candan Gokceoglu, Atiye Tugrul, Humbulani Mudan, Hyeong-Dong Park, Jose Motta

Minutes of Helsinki Meeting (7 August 2001) were presented and approved.

The acting-chairman presented the report by Dr. Shadmon (cf. Appendix 1) which focused on the workshop in Helsinki; the "Stone in Southern Africa" book; plans for forthcoming publications ("Stone in Scandinavia", "Building Stone of Scotland", and others) ; stone standardization activities.

National IAEG Groups representatives presented their comments concerning the main business on ornamental rocks in their countries :

- Turkey : Turkish marbles, especially those from Marmara Island. Report of 1999-2000 economics and the forthcoming 2003 Symposium, in Istanbul.
- Czech Republic : book on building stone in preparation, expected to be published in 1,5 year.

- Portugal : book on industrial minerals in preparation, now having some financial assistance difficulties.
- Sweden : no news from 2001 other than participation in the "Stone in Scandinavia" draft.
- Italy : reported on studies concerning quality control in ornamental rock quarries.
- Korea : increasing use of dimension stones that is related to improvement in building construction..
- Slovakia : expecting increase of local stone consumption.
- Brazil : still increasing production and exports of processed rocks; governmental support to researches and promotion fairs; necessity to update standardization and establish CEN contacts.
- Finland : production and economics report emphasizing granites and the increasing use of soapstones.

The aims and objectives^α of the commission, included in Chairman's Report (Appendix 2), were presented. All participants were in accordance to the proposed subjects/guidelines; but there were no further discussion because many of them didn't received the report in advance.

Next meeting will be^α held in at IBMS' 2003 – International Symposium on Industrial Minerals and Building Stones, in Istanbul, Turkey.

A workshop is also planned at Istanbul and it was suggested to include a presentation of the CEN "Natural Stone commission" activities.

The meeting was closed^α by acting-chairman with thanks to the participants for attending and invited them to next C-10 meeting.

Appendix 1 – Assessment report for the period 1999-2002

General activities

Consolidation of the contacts with about 30 countries was continued by correspondence, attendance, and discussions on reports submitted at the C-10 meetings. Conclusion was reached that effectiveness would be increased by the holding of workshops, including an in-depth discussion on the dimension stones of the C-10 hosting country in addition to the reports submitted by other countries. Consequently a first C-10 workshop was held in Helsinki 2001 and a full report and proceedings in now in preparation to be published with the last volume of the Helsinki meeting. The holding of a second workshop is considered during the 9th IAEG congress in Durban. The original aims and objects of C-10 have been revised in the light of experience and is annexed for eventual additions and modifications.

Meetings and workshops

Besides the meetings expected to take place at the congress venue of the Elangeni, Holiday Inn, Durban, on 17th September at 10h, meetings were held in Kathmandu, September 1999, Rio, August 2000, and Helsinki, August 2001, including the workshop with 4 presentations and time left for discussion to shape the future policy of C-10.

Publications 1999-2002

After many delays, *Stone in Southern Africa*, co-published with 2002 in UNESCO, came out. Till end 2001, some 150 copies of *Stone in Southern Africa* have been sold by UNESCO and Faenza. Favourable reviews have appeared in the professional and industrial press. Future dissemination arrangements will be considered as sales are governed by the essentially slow rate of press reviews, our only means to publicize. A Nordic IAEG group is presently preparing *Stone* in Scandinavia. Other publications in the active pipeline are *Stone in Scotland* and *Stone in the Czech Republic*.

Stone standardization and related meetings

Representation on the various CEN working groups meetings continued in the period under review. These were actively attended during 1999-2002 in Toledo, Helsinki, Montelieu, Milano (2) and Carrara (3). During that period, two standards on Denomination Criteria (October 2000) and Terminology (December 2001) were published, and nine standards on Test Methods were accepted and published. Another nine are under approval and four are being studied by the Cen TC 246 working group. Seven product standards which include the test methods are under approval.

Participations included the dimension stone workshop at Capara, Portugal, and the Swapnet 2001 international conference on stone weathering and atmospheric pollution at Prachnov Rocks, Czech Republic, and keynote addresses were given with emphasis on the role of Engineering Geology.

Contact was established with the Osnet ornamental stones network, the informative meeting attended at Stone Show, London, 2002, and with the various academic groups, as e.g. at Aachen, Gottingen and Erlangen, all engaged in stone related subjects. These provide a forum for the discussion of the problems faced by the European stone sector.

Activities for 2003-2006

Efforts are continued to establish a website, to provide information on C-10, and to relate on the application of Engineering Geology to the stone industry.

Co-publishing with UNESCO titles in addition to the publications in preparation (e.g. *Stone in Scotland* and *Stone in the Czech Republic*).

An overview is planned, covering ten years of stone standardization, from the inception of stone standards revisions by CEN, and culminating with the EU acceptance of the first eleven standards in 1999-2001, with special attention to quality control and conformity criteria.

Organizing a workshop as referred to above during each C-10 meeting. These will be planned to be during the international symposium on industrial minerals and building stones (IMBS 2003) at Istanbul, Eustone 2003 natural stone conference in Finland, in June 2003, the 32nd IGC in Florence, GeoEng 2004 in Canada and the 10th international congress of IAEG in 2006. Additional meetings may be considered when appropriate venues will be announced.

Liaison was established with the various ornamental and dimensional stones network groups and to disseminate information about ongoing stone research and development. To look into the establishment of a worldwide network/forum to coordinate with and to supplement the European Osnet, initiated by the European Commission.

Appendix 2 - Aims and objectives

Aims

To assist and upgrade dimension stone activities internationally by :

1. promoting the interaction between Engineering Geology and the stone industry
2. acting as an international clearing forum on geotechnical matters relating to dimension stone, including building stone, ornamental rocks and (jointly with C-17) armour stone
3. integrating information obtained from quarry prospects for use in the various geological correlation programmes
4. relating behaviour of stone applications in constructions to observations on stone in their original outcrops and deposits, under different environmental conditions
5. emphasizing responsibilities to ethical and public interests
6. encouraging influence on international and national policy-making in the field of dimension stone
7. promoting geotechnics to professionals using stone, especially designers and

architects with limited access and understanding of properties as compared to stone esthetics.

Objectives

1. To collect stone inventories and bibliographies leading to the production of a comprehensive bibliography and a book / map on the Stone Resources of the World (jointly with UNESCO)
2. To identify and list references and information in the IAEG Bulletin of IAEG referring to dimension stone. To monitor and scan the industrial and trade press for references of geotechnical relevance.
3. To produce a standardized geotechnical glossary (multilingual) for the stone industry (including rock types) with their equivalent local terminologies
4. To collect, correlate and publish case history data on the long term performance of various rocks with respect to their geotechnical properties and the local environment
5. To produce international guidelines on the investigation of potential deposits
6. To collect internationally stone standards and product specification
7. To correlate and coordinate data from d.and g. with the objective of developing tests and product specifications and their rationalization
8. To produce international guidelines on stone sampling methods based on geotechnical experiences
9. To produce a pamphlet on geotechnical assistance possibilities for the industry on behaviour of stone and methods of investigation, and to bring IAEG activities to the notice of relevant international organisations

10. To encourage continuity by having working groups for specific thematic problems
11. To prepare guidelines and case history data on rehabilitation of quarries
12. To prepare a position paper on underground excavation as a solution to scarring environments
13. To consider and rate priorities with special attention to thematic items and matters of public and ethical interests.

Appendix 3 - European Cen standards

Terminology and general

12449 WI 246029	Oct 2000	Denomination criteria	Published
12570 WI 246004	Dec 2001	Terminology	Published

Test methods

1925 246006	Mar 1999	Determination of water absorption coefficient by capillarity	Published WI
1926 246007	Mar 1999	Determination of compressive strength	Published WI
1936 Published WI 246005	Mar 1999	Determination of real density and apparent density and of total and open porosity	
12370 246034	Mar 1999	Determination of resistance to salt crystallisation	Published WI
12371 WI 246034	Oct 2001	Determination of frost resistance	Published
12372 246008	Mar 1999	Determination of flexural strength under concentrated load	Published WI
12407 WI 246013	May 2000	Petrographic examination	Published
13161 WI 246037	Oct 2001	Determination of flexural strength under constant moment	Published
13364 246010	Nov 2001	Determination of breaking load at dowel hole	Published WI

13755 246036	Dec 2001	Determination of water absorption at atmospheric pressure	Published WI
13373 approval - WI 246031		Determination of geometric characteristics	Under
13919 approval - WI 246033		Determination of resistance to ageing by SO2 action in presence of humidity	Under
14066 approval - WI 246016		Determination of thermal shock resistance	Under
14146 Under approval - WI246035		Determination of dynamic elastic modulus by measuring the fundamental resonance frequency	
14147 approval - WI 246032		Determination of resistance to ageing by salt mist	Under
14157 approval - WI 246014		Determination of the abrasive resistance	Under
14158 approval - WI 246019		Determination of rupture energy	Under
14205 approval - WI 246015		Determination of knoop hardness	Under
14231 approval - WI 246017		Determination of the slip resistance by means of the pendulum tester (friction)	Under
- WI 246011		Determination of thermal dilation coefficient	Under study
study - WI 246012		Determination of sound speed propagation	Under
study - WI 246016		Determination of static elastic modulus	Under
		Determination of radiation	
		WI to be approved by TC 246	

Product standards

1467	Rough blocks, specifications	Under approval - WI 246020
1468	Rough slabs, specifications	Under approval - WI 246021

1469	Slabs for cladding, specifications	Under approval - WI 246024
12057	Modular tiles, specifications	Under approval - WI 246022
12058	Slabs for floorsand stairs, specification	Under approval - WI 246028
12059	Dimensions stone work, specifications	Under approval - WI 246025
	Kitchen and vanity tops	WI to be approved by TC 246

GROUPES NATIONAUX

(décembre 2002)

M. Leon CROUKAMP

South African Institute of Engineering Geologists

P.O. Box 2812

0001 Pretoria

SOUTH AFRICA / AFRIQUE DU SUD

F : + 27.12.841.11.48 - leonc@geoscience.org.za

Prof. Defrim SHKUPI

Président

Albanian Association of Engineering Geology and Geoenvironment

Rruga "Sami Frashëri" No.31

Tirana

ALBANIA / ALBANIE

F :+ 355.42.26530 - dgjim@albaniaonline.net

M. Belaid ALLOUL

Département de Géologie de l'Ingénieur

IST/USTHB Houari-Boumedienne

BP.32

El Alia Bab Ezzouar Alger

ALGERIA / ALGÉRIE

Frau Dr. Kirsten LAACKMANN

Deutsche Gesellschaft für Geotechnik e. V.

Hohenzollernstraße 52

45128 Essen

GERMANY / ALLEMAGNE

F :+ 49.201.78.27.43 - service@dggt.de

M. Horacio V. RIMOLDI

Presidente - Asociación Argentina de Geología Aplicada

a la Ingeniería

Maipú 645, Piso 1°

1006 Buenos Aires

ARGENTINA / ARGENTINE

F :+ 54.11.47.82.12.79 - asagai@infovia.com.ar

Mme Valerie LEE

Administrative Support

Australian Geomechanics Society

P.O.Box E 303

Kingston, ACT 2604

AUSTRALIA / AUSTRALIE

F :+ 61.2.62.73.23.58 - valerie.lee@ieaust.org.au

Mag. Gerd FRIK

Secretary General of the Austrian National Group of IAEG

Lerchenfelderstraße 130/16

1080 Wien

AUSTRIA / AUTRICHE

F :+ 43.1.53605.54748 - frikg@verbundplan.at

M. Georges SIMON

Secrétariat du CBGI

MET D 421

Rue Côte-d'Or, 253

4000 Liège

BELGIUM / BELGIQUE

F : + 32.4.253.04.05 - gsimon@met.be

M. Wilson Shoji IYOMASA

Secretary General

Associação Brasileira de Geologia de Engenharia

Instituto de Pesquisas Tecnológica - IPT

Cidade Universitaria - USP

Divisao de Geologia - Digeo (Predio 59)

Av. Prof. Almeida Prado, 532

CEP 05508-901 São Paulo (SP)

BRAZIL / BRÉSIL

F : + 55.11.819.06.61 - wsi@ipt.br

Dr Kiril ANGUELOV

Département Géologie de l'Ingénieur

Universités Mines et de Géologie

1756 Sofia

BULGARIA / BULGARIE

F : + 359.2.62.10.42

Mme Sarah WATSON

Canadian Geotechnical Society

P.O.Box 937

Alliston, ON L9R 1W1

CANADA

F : + 1.705.434.09.17 - cgs@cgs.ca

M. Carlos V. ANDRADE

Secretary

Sociedad Chilena de Geotécnica

San Martin 352

Santiago

CHILE / CHILI - F : + 56.2.204.12.17

Prof. WU Faquan

Geo-engineering Centre

Institute of Geology and Geophysics

Chinese Academy of Sciences

P.O. Box 9825

Beijing 100029

P.R. of CHINA / R.P. de CHINE

F : + 86.10.62.04.05.74 - wufaquan@public.east.cn.net

Dr Nicolaidis STELIOS

Secretary of the Cyprus Association of Geologists and Mining Engineers

P.O. Box 25470

1310 Nicosia

CYPRUS / CHYPRE

F : + 357.2.93.33.11 - steliosn@logos.cy.net

M. Jacobo OJEDA MONCAYO

Sociedad Colombiana de Geotecnia

Calle 15 A # 69 A - 44

Apartado Aereo 057045

Santafé de Bogota, D.C.

COLOMBIA / COLOMBIE

F : + 57.1.424.45.92 - jojeda@ingomin.gov.co

Prof. Hyeong-Dong PARK

School of Civil, Urban and Geosystem Engineering

Seoul National University

Shinlim-dong, Kwanak-gu

Seoul, 151-742

SOUTH KOREA / CORÉE DU SUD

F : + 82.2.871.89.38 - hpark@gong.snu.ac.kr

M. Zeljko MIKLIN

President of Croatian National Group of IAEG

Institut za geološka istraživanja

Sachsova 2

10000 Zagreb

CROATIA / CROATIE

F : + 385.1.614.47.13 - zeljko.miklin@hotmail.com

Mr Jens BAUMANN

Danish Geotechnical Society

c/o Danish Geotechnical Institute

Maglebjergvej 1

2800 Lyngby

DENMARK / DANEMARK

F : + 45.45.8.12.40 - jeb@geoteknisk.dk

Prof. Carlos DELGADO

Asoc. Española de Geología Aplicada a la Ingeniería

Calle Tapia Casariego, 43

28023 Madrid

SPAIN / ESPAGNE

F : + 34.91.336.77.50 - cadelgado@op.upm.es

afernandez@op.upm.es

M. Hardi TORN

The President of Estonian Geotechnical Society

Tallinn Technical University

Ehitajate tee 5, room III-217

19086 Tallinn

ESTONIA / ESTONIE

F : + 372.6565.360 - gib@gib.neti.ee

M. Scott BURNS

Association of Engineering Geologists

720 S. Colorado Boulevard

Suite 960-S

Denver, CO 80246

U.S.A. / ÉTATS-UNIS

F : + 1.303.757.29.69

www.aegweb.org

Mme Pirjo KUULA-VAISANEN

Tampere University of Technology

P.O. Box 600

33101 Tampere

FINLAND / FINLANDE

F : + 358.3.3115.28.84 - pirjo.kuula-vaisanen@tut.fi

Mme Denise DE MEYER

Comité Français de Géologie de l'Ingénieur

Laboratoire Central des Ponts et Chaussées

58, boulevard Lefebvre

75732 Paris cedex15

FRANCE

F : + 33.1.40.43.65.16 - Denise.De-Meyer@lcpc.fr

Prof. Guram BUACHIDZE

President of the Georgian National Group of IAEG

Georgian Academy of Sciences

Institute of Hydrogeology and Engineering Geology

31 Rustaveli Avenue

380008 Tbilissi

GEORGIA / GÉORGIE

F : + 995.32.00.11.53 - bguram@gw.acnet.ge

Dr George TSIAMBAOS

President of the Greece Committee of IAEG

National Technical University of Athens

Department of Geotechnical Engineering

42 Patission Street

10682 Athens

GREECE / GRÈCE

F : + 30.1.772.34.28 - gktsiamb@central.ntua.gr

Dr Á. TÖRÖK

BME Építőanyagok és Mérnökgeológia Tanszék

1521 Budapest

HUNGARY / HONGRIE

F : + 36.1.463.20.17 - atorok@epito.bme.hu

M. M. TIWARI

Indian Society of Engineering Geology

c/o Geotechnical Laboratory, Northern Region

Ground Floor, C-Block - Geological Survey of India

Sector E, Aliganj

Lucknow 226 024

INDIA / INDE

F : + 91.522.37.64.07 - mukteshwartiwari2001@usa.net

mukteshwart@yahoo.com

M. Untung SUDARSONO

Directorate of Environmental Geology

Jalan Diponegoro 57

Bandung 40122

INDONESIA / INDONÉSIE

F : + 62.22.720.61.67 - geoling@dgtl.dpe.go.id

hermawan@dgtl.dpe.go.id

Dr Jafar GHAYOUMIAN

President of the IAEG National Group

Soil Conservation & Watershed Management Research Center

P.O. Box 13445-1136

Tehran

IRAN

F : + 98.21.490.57.09 - ghayoumian@hotmail.com

M. Turlough JOHNSTON

Applied Ground Engineering Consultants Ltd.

5 Kilcarrig Street

Bagenalstown

Co. Carlow

IRELAND / IRLANDE

F : + 353.503.23.793 - tjohnston@agec.ie

Mr Birgir JONSSON

Associate Professor

University of Iceland

Department of Environmental and Civil Engineering

Hjardarhagi 2

107 Reykjavik

ICELAND / ISLANDE

F : + 354.525.4632 - bjonsson@verk.hi.is

M. Amos BLANK

7 Ha'arad Street

Tel Aviv 69710

ISRAEL / ISRAËL

F : + 972.3.647.61.74

Prof. Gregorio MELIDORO

President Sezione Italiana AIGI/IAEG
Istituto di Geologia Applicata e Geotecnica
Politecnico di Bari
Via E. Orabona, 4
70125 Bari

ITALY / ITALIE

F : + 39.080.596.36.75 - g.melidoro@poliba.it
<http://www.iaeg.it>

M. Nobuhiro DEMBOYA

Secretary of the Japanese National Group of IAEG
c/o the Japan Society of Engineering Geology
Ochanomizu SD Bldg., 4th Floor
2-3-14 Kanda-Surugadai - Chiyoda-ku
Tokyo 101-0062

JAPAN / JAPON

F : + 81.3.3259.8233 - KYW04560@nifty.ne.jp

Dr Saulius GADEIKIS

General Secretary of Lithuanian Group of IAEG
Vilnius University
Department of Hydrogeology & Engineering Geology
Ciurlionio Str. 21/27
2009 Vilnius

LITHUANIA / LITUANIE

F : + 370.2.25.02.22 - saulius.gadeikis@gf.vu.lt

Dr Hamad TAJUDDIN IBRAHIM

c/o Institute of Geology Malaysia
Department of Geology
University of Malaya
50603 Kuala Lumpur

MALAYSIA / MALAISIE

F : + 60.3.756.39.00 - j4ahmad@umcsd.um.edu.my

Ing. Carlos GARCIA HERRERA

President, Sociedad Mexicana de Mecánica de Rocas, A.C.

Apartado Postal 39-137

Aeropuerto Internacional de la Ciudad de Mexico, D.F.

C.P. 15621 México

MEXICO / MEXIQUE

barrigall@hotmail.com

M. R.K. ARYAL

Nepal Geological Society

P.O. Box 231

Kathmandu

NEPAL / NÉPAL

F : + 977.1.41.48.06 - ngs@wlink.com.np

M. Siri ENGEN

Norsk Bergmekanikkgruppe

P.O.Box 2312, Solli

0201 Oslo

NORWAY / NORVÈGE

F : + 47.22.94.75.02 - siri.engen@nif.no

Mme Debbie FELLOWS

New Zealand Geomechanical Society

P.O.Box 12-241

Wellington

NEW-ZEALAND / NOUVELLE-ZÉLANDE

F : + 64.9.817.70.35 - dfellows@xtra.co.nz

Ing. Miguel STANICHEVSKY

Sociedad Paraguaya de Geotecnia

Avenida España 959

Casilla de Correo336

Asunción

PARAGUAY

F : + 595.21.205.019 - cpi@conexion.com.py

<http://www.orion.com.py/spg>

M. Willem BIERMAN

Fugro Engineers B.V.

Veurse Achterweg 10

Postbus 250

2260 AG Leidschendam

The NETHERLANDS / PAYS-BAS

F : + 31.70.320.36.40 - w.bierman@fugro.nl

Ing. Fausto T. LINAN

Secretario General

Asociacion Peruana de Ingenieria Geologica

Av. San Borja Sur - 417 San Borja

41 Lima

PERU / PÉROU

Dr Pawel DOBAK

President of the Polish National Group of IAEG

University of Warsaw

Facutly of Geology

Al. Zwirki i Wigury 93

02-089 Warszawa 22

POLAND / POLOGNE

F : + 48.22.554.00.01 - pdobak@geo.uw.edu.pl

Mme Maria DA GRAÇA DIAS ALFARO LOPES

Sociedade Portuguesa de Geotecnia
Laboratório Nacional de Engenharia Civil
Avenida do Brasil, 101
1700-066 Lisboa

PORTUGAL

F : + 351.1.847.81.87 - 94-graca@lnec.pt

Prof. Jan RYBÁR

Secretary of the IAEG Czech National Group
Institute of Rock Structure & Mechanics
Academy of Sciences of the Czech Republic
V Holešovičkách 41
182 09 Praha 8

CZECH REPUBLIC / RÉPUBLIQUE TCHÈQUE

F : + 420.2.688.06.49 - rybar@irsm.cas.cz

M. Christian MARUNTEANU

Président
Asociata Romana de Geologie Inginereasca
Faculté de Géologie et Géophysique
Str. Traian Vuia n°6
70139 Bucharest

RUMANIA / ROUMANIE

F : + 40.1.211.31.20 - cristian@gg.unibuc.ro

M. Rodney CHARTRES

The Smithy
Great Woodcote Drive
Purley, Surrey CR8 3PL

UNITED KINGDOM / ROYAUME-UNI

F : + 44.20.8763.2521 - sarahchartres@btconnect.com

Prof. Viktor I. OSIPOV

Institute of Environmental Geoscience

Russian Academy of Sciences

P.O. Box 145

13, Ulansky per.

101000 Moscou

RUSSIA / *RUSSIE*

F : + 7.095.923.18.86 - direct@geoenv.ru

M. Meïssa FALL

Association Sénégalaise de Géologie de l'Ingénieur

IST-UCAD

BP.15685

Dakar-Fann

SENEGAL / *SÉNÉGAL*

F : + 221.25.25.35

Dr Ashraf M. HEFNY

School of Civil and Structural Engineering

Nanyang Technological University

Block N1, # 0/C - 94

Nanyang Avenue

Singapour 639 798

SINGAPOUR

F : + 65.791.06.76 - camhefny@ntu.edu.sg

Prof. Rudolf HOLZER

Department of Engineering Geology

Faculty of Natural Sciences

Comenius University

Mlynska dolina G

842 15 Bratislava

SLOVAKIA / SLOVAQUIE

holzer@nic.fns.uniba.sk

Dr. Borut PETKOVŠEK

Slovenian National Group of IAEG

Zavod za gradbeništvo

Dimiceva 12

1000 Ljubljana

SLOVENIA / SLOVÉNIE

F : + 386.61.188.82.64 - Borut-Petkovsek@zag.si

M. Daniel MORFELDT

Mineconsult AB

Banérgatan 37

115 22 Stockholm

SWEDEN / SUÈDE

F : + 46.8.662.50.02

mineconsult@stockholm.mail.telia.com

Dr Hansjakob ZIEGLER

Gaessli 10

3202 Frauenkappelen

SWITZERLAND / SUISSE

ziegler@k-h.ch

Prof. Dennes T. BERGADO

IAEG/SEAGS

c/o Asian Institute of Technology

P.O. Box 4

Klong Luang

Pathumthani 12120

THAILAND / THAÏLANDE

F : + 66.2.524.55.09 - seags@ait.ac.th

Prof. Dr Okay EROSKAY

Istanbul Kultur Universitesi

Mühendislik ve Mimarlık Fakültesi

E5 Karayolu No.22 Sirinevler

34510 Istanbul

TURKEY / TURQUIE

F : + 90.212.551.11.89 - o.eroskay@iku.edu.tr

Prof. PHAM XUAN

Lien hiep khao sat dia chat

Xu Li nen mong cong trinh

C8, P6, Trung tam Hoi cho

Trien Lam - Giang Vo

Hanoi

VIETNAM

F : + 84.4.831.31.82

Prof. Dusko SUNARIC

Mining and Geology Faculty

Beograd University

P.O. Box 162

7, Djusina Str.

P.O. Box 162

11001 Beograd

YUGOSLAVIA / YOUGOSLAVIE

F : + 381.11.323.55.39