



THE NEWSLETTER OF THE EUROPEAN ASSOCIATION FOR EARTHQUAKE ENGINEERING

August 2005

Volume 23, Number 2

Dear Colleagues,

In this second issue of the new EAGE Newsletter, the recent developments during the last six months are summarised.

One of the important items is concerned with the initiative to establish a global partnership for advocating earthquake safety. The first draft of the conceptual proposal prepared in April 2005 is given below. EAGE President Robin Spence is participating to this global forum representing EAGE. EAGE has been asked to complete a questionnaire, by August 31, summarizing the EAGE's reaction to this proposal and a meeting of representatives of interested associations (including EAGE) will take place in February 2006 to attempt to draft a Charter and three year plan. We would be very happy to receive your suggestions on this issue.

The second item in the Newsletter is the updated progress report by the editor of the Bulletin of Earthquake Engineering (BEE) followed by the table of contents of the third volume of BEE that has been recently completed.

The third item is concerned with National short reports received from Italian National Association of Earthquake Engineering, Croatian Society for Earthquake Engineering, and Georgian National Committee of Seismology and Earthquake Engineering.

The fourth item is the statistical evaluation of the EAGE Individual Membership with respect to years, membership type and distribution with respect to countries.

The fifth item summarises the proposal submitted to EU FP6 for organising training courses in Austria, Greece, Italy, Turkey, and United Kingdom under the auspices of EAGE.

The last item is the list of important forthcoming events and an announcement of a new book that will be published by Springer in the book series titled as "Geotechnical, Geological and Earthquake Engineering".

INTERNATIONAL PARTNERSHIP ADVOCATING GLOBAL EARTHQUAKE SAFETY

Conceptual Proposal

This is a proposal to form an international partnership of existing organizations with a common interest in advocating improved earthquake safety in all areas of the world. The purpose is to create a unified voice to identify and promote consensus-based knowledge and to achieve positive change. The basic premise is that the partnership will enhance the effectiveness of each partner and lead to an acceleration in the reduction of global risk.

Background: There are many organizations all around the world with a common interest in earthquake safety. In aggregate, they comprise a vast resource of scientific, engineering and socio-economic expertise. There is no need to form another independent entity to address a lack of basic knowledge. Furthermore, the basic messages that these organizations seek to convey regarding earthquake impacts and risk mitigation are very similar. Yet, the global community is consistently surprised by the effects of earthquakes and does not realize that there are effective actions that could be implemented to save lives, prevent injuries, and reduce social economic impacts in future events. The fact is that this important message is not being heard. We can empower our partner organizations by creating a unified voice to better influence public policy worldwide and create change. When we speak as individual groups, it then can be with the sanction and support of all of us. We propose the creation of an international partnership of existing organizations to provide a common platform from which to advocate effectively for earthquake risk reduction.

This proposal is the product of a meeting of representatives of approximately 15 international organizations at Lake Tahoe in Nevada on April 24 through 26. This group concluded that this conceptual proposal should be distributed to our own organizations and other similar organizations for review and comment. We suggest that if there is sufficient interest and support that the proposal be subject to refinement and adoption at future meeting(s) of an expanded group representative of all willing partners. The following is an initial summary and suggestions for consideration and further development.

Mission: We stand together to advocate the improvement of the earthquake safety of our global community and to assist in the creation of a broader global "culture of disaster prevention."

Key objectives:

- 1) Initiate and maintain a web-based global communication forum for experts in all aspects of earthquake safety.
- 2) Develop and maintain a credible web-based international knowledge repository to facilitate our mutual efforts and those of others with similar and related missions. This will be a consensus-based assembly of reliable information on earthquake hazards, vulnerabilities, risks, and mitigation strategies.
- 3) Assist our partners in working with governments, NGO's and international agencies in a strategic manner to affect public policy to achieve a global goal of sustainable disaster resilient communities.

4) Monitor, evaluate, and report upon global progress in risk mitigation with an emphasis on highlighting the accomplishments.

Examples of Potential Programs and Activities

At the meeting at Lake Tahoe several examples of activities and programs for the Partnership were presented and discussed. Below, they are listed and summarized in random order:

- **Seismic Safety Norms**

Objective: Our objective is to identify, before devastating earthquakes occur, communities with high earthquake risk and to motivate, thereby, earthquake risk preparation, mitigation and prevention actions.

- **Award for Outstanding Advances Implementing Earthquake Risk Mitigation**

Objective: Induce government and non-government organizations to work toward earthquake risk mitigation, and to create an annual opportunity to move the issue of risk reduction into the public eye.

- **Estimating the Cost of Doing Nothing**

Objective: To motivate governments to mitigate the earthquake risk, by comparing the likely losses in future earthquakes if nothing is done with the smaller losses if mitigation efforts, such as strengthening schools are implemented.

- **Earthquake-Resistant Construction**

Objective: To build safe, affordable homes that are suited to local conditions using locally available resources, building materials and volunteers. In addition, build infrastructure, schools, roads and water systems that support residential developments and enhance the quality of life in those communities.

- **Link Seismic Safety To Major Social Issues**

Objective: To obtain broader support for earthquake risk reduction by showing how our objectives are essential to achieve top-ranking national and global objectives, such as ensuring national security, preserving the environment, and eradicating poverty and hunger.

- **International Centre on Earthquake Vulnerability Reduction**

Objective: Web-based dissemination of knowledge on earthquake resistant design and rehabilitation for vulnerability reduction with local practice.

- **Global Earthquake Prediction Evaluation Council**

Objective: To provide an authoritative, objective evaluation of "significant" predictions of earthquakes so as to educate the public, help governments take appropriate action and reduce the risk of panic among the public.

- **Letter of Support**

Objective: To aid the efforts of colleagues around the world who are attempting to influence public policy and advocate seismic safety, by distributing a Letter of Support of those efforts, signed by national and international earthquake engineering and seismology professional societies.

- **International Study Groups**

Objective: To establish international study groups to solve common problems of earthquake engineering, risk mitigation and disaster response. Participants will be from all nations with earthquake problems.

- **Tsunami And Volcanic Eruption Risks**

Objective: To foster awareness of risks due to tsunami and volcanic eruptions, and to work closely with expert groups focusing on mitigating these problems. .

Staff/Secretariat

It is expected that the Partnership initially will establish a small office/secretariat in a city conducive to international activities (e.g. Geneva, Paris, Istanbul). There will also be a need for management of the internet activities of the Partnership. Further expansion will be considered as deemed necessary.

Funding

Initial funding will be the responsibility of the partners largely by supporting the participation of their representatives in the formation of the Partnership. The long term intention is to seek funding for basic Partnership activities; however, the bulk of any resources will be funnelled to the Partners for advocacy programs. We believe that the power of the broader partnership will facilitate a more productive funding effort. It is important to craft proposals to match the stated goals of the broader community. For example, China currently has a country-wide program for risk management. Also, the UN and other global agencies have well-developed programs and objectives. Recently, the Japanese Association for Earthquake Engineering and the International Association for Earthquake Engineering developed and presented resolutions for global earthquake risk reduction at the January 2005 UN conference on natural hazards in Kobe.

Development plan

The Lake Tahoe participants agree to serve as an Interim Planning Group. A smaller Steering Committee (Wang, Meguro, Esteva, Wyss, Stirling, Comartin, Tucker) will coordinate efforts up to the next meeting anticipated in five to nine months in Beijing. Activities between now and then might include:

1) Internet presence

A website may be established by the Steering Committee to serve as a communication centre for the planning activities by the end of May 2005.

2) Distribute conceptual proposal and accompanying questionnaire.

This conceptual proposal will be distributed to potential partners. They will be encouraged to send comments and suggestions to the Steering Committee. They will also be requested to provide some basic information on their organizations.

Steering Committee

Craig Comartin, Earthquake Engineering Research Institute, USA, (www.eeri.org)

Luis Esteva, International Association for Earthquake Engineering, Mexico, (www.iaee.org.jp)

Kimiro Meguro, Japanese Association for Earthquake Engineering, (meguro@iis.u-tokyo.ac.jp)

Mark Stirling, New Zealand Society of Earthquake Engineering, (www.nzsee.org.nz)

Brian Tucker, GeoHazards International, (tucker@geohaz.org)

Zifa Wang, Chinese Association for Earthquake Engineering, (www.cae.org.cn)

Max Wyss, International Association Seismology & Physics of the Earth's Interior, (www.iaspei.org)



It has been three years since the first issue of Bulletin of Earthquake Engineering was published by Kluwer Academic Publishers in 2003. The plan was to publish three issues per year. In the beginning, as anticipated the inflow of manuscripts was slow, however, as time passed the inflow reached a sufficient level to support the publication of three issues per year. Interestingly the same number, 26 manuscripts were submitted for publication in 2003 and in 2004. The number of submitted manuscripts during the first six months of 2005 is 18. It seems possible that this will go up to 36 if the rate stays the same over the next 6 months. In this case it would mean a 38% increase.

The contents of the first issue of the first volume, composed of invited papers, were in print sometimes in August 2003. The remaining two issues were in print in the last quarter of 2003 and the first quarter of 2004. The first volume of BEE had 13 papers, 2 technical notes and an editorial.

The three issues of the second volume were printed in 2004 and in the first quarter of 2005. The second volume of BEE had 13 papers, one discussion and one reply. The second issue of this volume was the first issue of BEE that included a discussion and a reply.

During this period Kluwer Academic Publishers merged with Springer Verlag and this process sometimes caused delays in the production process. After this merger, the third issue of Volume 2 was the first issue printed under the new Springer imprint.

The first two issues of Volume 3 that were forwarded to Springer in December, 2004 and in January, 2005 were in print in February and April 2005. The third issue was sent to Springer in July 2005 and it is expected that this issue will be in print before December 2005. Volume 3 Issue 2 was the first special issue of BEE containing the Mallet-Milne Lecture delivered by Prof. W. Liam Finn. Volume 3 will have 10 papers, 1 technical note and an introduction to the Mallet-Milne lecture.

Up to present 75 manuscripts were submitted to BEE for publication. Almost all of the papers were reviewed by two referees. The first three volumes of BEE will have 42 manuscripts. 11 manuscripts are under review and 21 manuscripts were declined and 2 manuscripts were withdrawn by the authors.

During these three years as the Editor, I handled all the correspondence with the authors and referees during the submission and review stages. All the reviews were conducted based on the manuscripts forwarded as e-mail attachments or downloading from the editors ftp site. As the Editor, I would like to acknowledge all the support given by the Editorial Board Members as reviewers or as authors. I would also like to acknowledge the referees listed below in the alphabetical order in taking part in the review process.

Aybige Akinci, Sadik Bakir, Edmund Booth, George Bouckovalas, Michele Calvi, Eduardo Carvalho, Michael Constantinou, Dina D'Ayala, John Douglas, Eser Durukal, Mustafa Erdik, Donat Faeh, Yasin Fahjan, Mohsen Ghafory-Ashtiany, Jenn-Shin Hwang, Andreas J. Kappos, Nuray Karanci, Pierino Lestuzzi, Basil Margaritis, Mikayel Melkumyan, Antonio Occhiuzzi, Kutay Ozaydin, Guney Ozcebe, Paolo Pinto, Fabio

Sabetta, Erdal Safak, Charles Scawthorn, Dario Slejko, Robin Spence, Paul Spudich, Jost Studer, Haluk Sucuoglu, Peter Suhadolc, Mihailo D. Trifunac,

As of May 1, 2005, manuscript submissions and the review process is being monitored by the Springer Editorial Manager online peer review system. We have received four manuscripts through this system up to the present. All of the Editorial Board Members as well as most of the referees are already registered on the system. The authors will submit their manuscripts through this system by loading their manuscript to the Springer Editorial Manager (EM) site. The system automatically informs the Editor by an e-mail. The Editor gets connected to the EM site, downloads the paper and assigns the referees. The system will prepare the invitation letters for the referees asking them if they would be able to review the manuscript directed to them. Once the referee gives a positive answer he or she would be able to download the manuscript from the EM site. The referee after finishing the review will fill out his or her review form by connecting to the EM site, and EM will inform the Editor by an e-mail that one review has arrived. Besides informing the Editor about the progress, EM will also send reminders to the referees to have the reviews on time. I hope and believe that EM will work well for BEE.

At the present agreements have been finalized to have three more special issues; 2 from the Risk-EU project with Guest Editors Benoît Le Brun and Robin Spence and one from the special sessions held during the EGU General Assembly on "Natural Hazards' Impact on Urban Areas and Infrastructure" with the Guest Editor Maria Bostenaru Dan. There was also a proposal on the topic of "BoB-CoDE Project, Bonefro Building - Comparison of Damage Estimates" by the Guest Editors Mauro Dolce and Agostino Goretti which is pending the agreement stage.

It was decided based on mutual agreement with Springer that Volume 4 of BEE will consist of 4 issues. I am also happy to inform you that Springer has offered BEE for evaluation to ISI for inclusion in the Science Citation Index. The evaluation will be concluded in 2005 or 2006 after volume 3 is published.

BEE is the Official Journal of EAAE presently composed of 32 National, 2 Organisational and 67 Individual Members, it would be appropriate as applied in some journals to change the Editorial Board compositions every four years. It could help BEE to progress more efficiently to have some new members in the Editorial Board. The proposal is to renew each four years one third of the Editorial Board. So every four years there will be 10 outgoing members and 10 new incoming members. In the long run this would mean that each Editorial Board Member will serve for 12 years. However, since we are a new journal the first 10 outgoing members in 2006 will be only serving for 4 years and the next out going 10 members in 2010 will be serving for 8 years. But starting from 2014 any new member will be serving for 12 years. I believe this sounds a logical system which will also open the journal to a larger scientific community.

Atilla Ansal
Editor

BULLETIN OF EARTHQUAKE ENGINEERING

TABLE of CONTENTS

VOLUME 3 NUMBER 1 February 2005

<i>Equations for the estimation of strong ground motions from shallow crustal earthquakes using data from Europe and the Middle East: Horizontal peak ground acceleration and spectral acceleration</i>	N. N. Ambraseys, J. Douglas, S. K. Sarma and P. M. Smit
<i>Equations for the estimation of strong ground motions from shallow crustal earthquakes using data from Europe and the Middle East: Vertical peak ground acceleration and spectral acceleration</i>	N. N. Ambraseys, J. Douglas, S. K. Sarma and P. M. Smit
<i>Frictional behaviour of steel-PTFE interfaces for seismic isolation</i>	M. Dolce, D. Cardone, and F. Croatto
<i>New developments in seismic risk assessment in Italy</i>	Giacomo Di Pasquale, Giampiero Orsini, and Roberto W. Romeo
TECHNICAL NOTE: <i>Experimental investigations on laminated rubber bearings</i>	Sarvesh Kumar Jain and Shashi Kant Thakkar

VOLUME 3 NUMBER 2 The Tenth Mallet-Milne Lecture, April 2005

<i>The Tenth Mallet-Milne Lecture</i>	Zygmunt Lubkowski
<i>A Study of Piles during Earthquakes: Issues of Design and Analysis</i>	W. D. Liam Finn

VOLUME 3 NUMBER 3 Forthcoming

<i>Force and Displacement Based Vulnerability Assessment for Traditional Buildings</i>	Dina F. D'Ayala
<i>Experimental and Numerical Studies on the Seismic Response of R.C. Hollow Bridge Piers</i>	Gian Michele Calvi, Alberto Pavese, Alessandro Rasulo, and Davide Bolognini
<i>A modified cyclic cracking model for RC structural walls behaviour under dynamic excitation</i>	Tsai-Fu Chuang, Andrew H. C. Chan, and Les A. Clark
<i>Nonlinear dynamic response of HDRB and Hybrid HDRB-Friction Sliders base isolation systems</i>	Franco Braga, Marco Faggella, Rosario Gigliotti, and Michelangelo Laterza
<i>Site Response from Ambient Vibrations in the Towns of Lod and Ramle (Israel) and Earthquake Hazard Assessment</i>	Y. Zaslavsky, A. Shapira, M. Gorstein, M. Kalmanovich, V. Giller, N. Perelman, I. Livshits, D. Giller, and I. Dan

Italian National Association of Earthquake Engineering (ANIDIS)

ANIDIS is a non-profit association having the following purposes:

- promoting and spreading the culture of seismic problems among the professionals operating in Italy on the following subjects: Structural and Geotechnical Engineering, Geology, Town-planning, Architecture, Restoration, Civil Protection and Environment Preservation;
- identifying research themes from the professional practice and promote their investigation;
- establishing and maintaining national and international contacts among people interested in the above subjects and with the associations having similar purposes;
- cooperating with the pertinent authorities on the drafting of rules and regulations relevant to Earthquake Engineering.

In order to achieve its objectives, ANIDIS organises a National Congress every two years. Usually 400-500 researchers and practicing professionals attend the Congress, which has now reached its 12th edition. With the same purpose ANIDIS organises seminars and courses for practicing engineers on the most recent advances of earthquake engineering, such as the application of recent seismic codes and the use of new technologies for the seismic protection of structures. ANIDIS also operates through special working groups on specific themes, such as the Working group on Seismic Isolation (GLIS).

Croatian Society for Earthquake Engineering (CSEE)

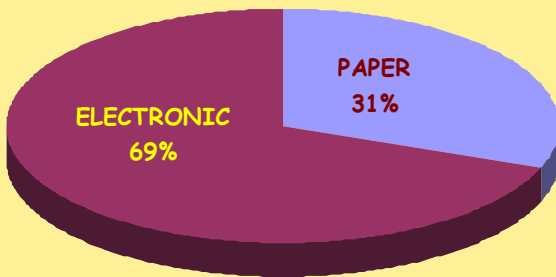
Croatian Society for Earthquake Engineering (CSEE) was founded in 1965 and acted under the umbrella of Yugoslav Association for Earthquake Engineering until 1991. Sixth European Conference on Earthquake Engineering was organized in Dubrovnik, Croatia in 1978. Present EAEE honorary member Drazen Anicic acted as EAEE Secretary and Secretary-General in the period 1982-1994. EAEE Central Office was in this period located in Zagreb. Croatia as new independent state is EAEE and IAEE member since 1992. Last decade in the CSEE activities were devoted to introduce new Eurocodes series in Croatian legislative system. Work was done in parallel in two directions: a) at the university level all Eurocodes Parts (EC1 to EC9) were first discussed and in mid 90s introduced in CE faculty teaching programs and then, under the State Standards Organization, some of them, translated into Croatian language; in 2005 EC1, EC2, EC7 and EC8 were published in their ENV versions as official Croatian (HRN ENV) standards; b) under the sponsorship of Ministry of Construction National Application Documents were developed and added to these standards. Very recently, both new Technical Provision for Concrete Structures and Technical Provision for Masonry Structures were published including provisions for Eurocodes as compulsory design standards. These provisions will be in power from January 2006 allowing another 12 month of co-existence period for buildings only. Since Croatia in 2005 became EU candidate country, Croatian experts are expecting to be included as observers in EU - CEN/TC, EOTA and other European bodies.

Georgian National Committee of Seismology and Earthquake Engineering

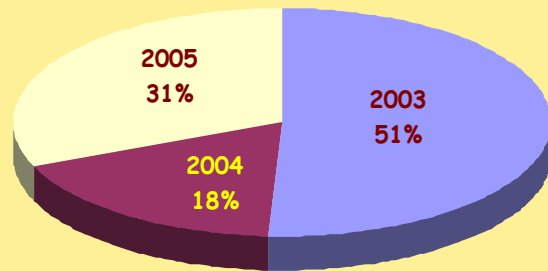
Georgian National Committee of Seismology and Earthquake Engineering arranged a meeting on May 17, 2005 where about one hundred participants of academicians, researchers and practitioners from construction field and representatives of state structures were invited. They were introduced with the aims and tasks of European Association of Earthquake Engineering, with bulletins of the association. Invited guests, being introduced with the Committee aims and tasks and strategy, have recognized the need of a national committee establishment. Particularly significant attention has been given to the fact that, at present while our country aspires to integration with Europe, the Committee already has become a part of a European structure. More than 30 scientists and construction practitioners have joined into Committee TGs with the purpose to participate actively in committee initiatives. TG-s of Georgian National Committee almost entirely corresponds to TG-s of European Association, with little differences conditioned by local necessities. The main aims of our TG-s are: elaboration of new national building norms those will be harmonized with European Codes, preparation of legal statement projects, conduction of training courses for construction practitioners with purpose to introduce them with international experiences on seismic risk reduction and modern methods of earthquake engineering and awarding them corresponding certificates.

MEMBERSHIP INFORMATION

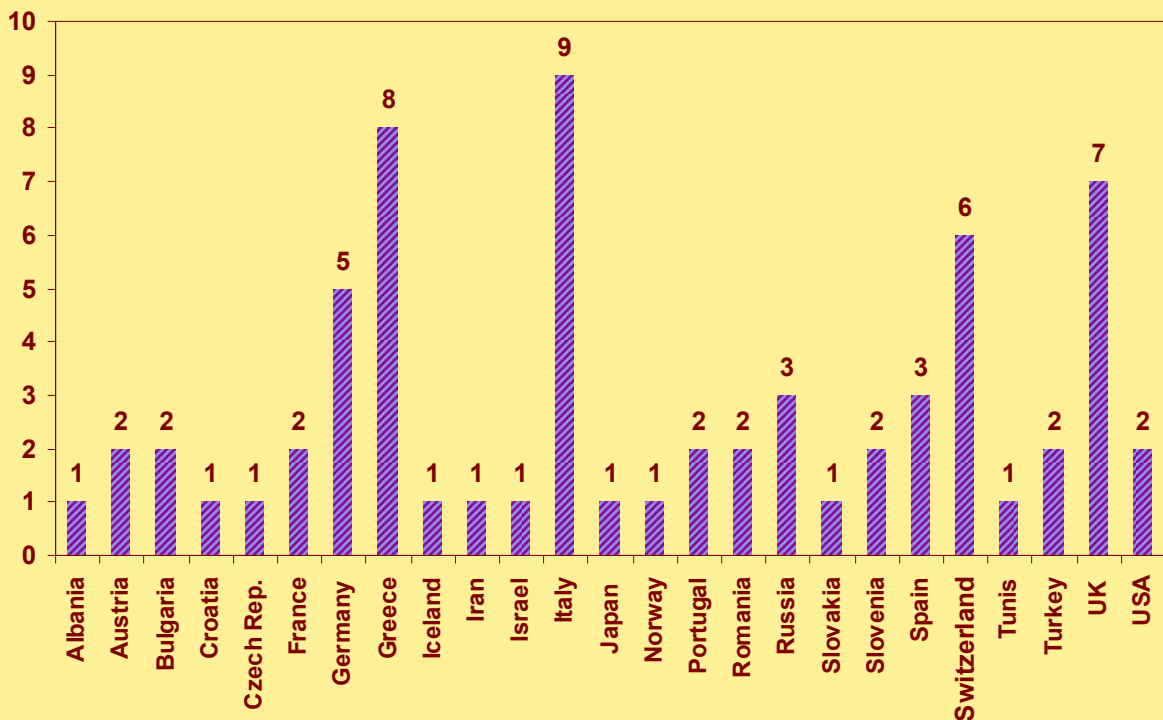
MEMBERSHIP BY TYPE



MEMBERSHIP BY YEARS



MEMBERSHIP BY COUNTRY



EUROPEAN TRAINING COURSES ON EARTHQUAKE ENGINEERING (ETCEE)

A proposal was submitted to 6th Framework Programme for Marie Curie Actions in May 2005 to organise 11 training courses on: (TC1) Performance Based Seismic Evaluation and Design; (TC2) Strong Ground Motion Simulation; (TC3) Structural Vulnerability and Earthquake Scenario; (TC4) Earthquake Scenarios, Early Warning and Rapid Response Applications; (TC5) The Evaluation and Strengthening of Existing Buildings; (TC6) Seismic Isolation of Structures and Innovative Antiseismic Techniques; (TC7) Site Effects and Seismic Microzonation; (TC8) Seismic Design and Retrofitting of Irregular and Complex Structures; (TC9.) Dynamic Response of Structures to Seismic Loading; (TC10) Repair and Strengthening in Seismic Regions; (TC11) Earthquake Protection of the Cultural Heritage. The partners and organisers of the training course are: 1. Bogaziçi University, Kandilli Observatory and Earthquake Research Institute, Turkey; 2. University of Basilicata - Department of Structures, Geotechnics, Engineering Geology, Italy; 3. University of Cambridge, Cambridge Uni. Department of Architecture, United Kingdom; 4. ENEA, Italy; 5. Aristotle University of Thessaloniki (Auth), Laboratory of Soil Mechanics, Foundation and Earthquake Engineering, Greece; 6. The University of Florence, Italy; 7. Arsenal Research, Austria; 8. University of Trento, Italy; 9. National Technical Uni. of Athens, School of Civil Engineering, Institute of Structural Analysis and Aseismic Research, Greece.

European Association for Earthquake Engineering has been very active in the field of earthquake engineering since it was founded in 1964 and it has 10 Task Groups composed of the European Experts. The main objectives of EAEE are: to promote regional cooperation among scientists and engineers; to advance the research front in the field of earthquake engineering; to contribute and support all related research and educational activities in the field of earthquake engineering, to play an active role in all aspects of earthquake risk mitigation in Europe. EAEE Task Groups and their Coordinators will play an active in the organization of the proposed training courses.

The proposed training courses are complementary among themselves with the aim of informing and educating the young engineers and scientists in the broad multidisciplinary spectrum of earthquake engineering. There have been significant developments during the last decade both in the state-of-the-art and the state-of-the-practice in earthquake engineering. The multidisciplinary nature of earthquake engineering is one of the obstacles that prevent, to a certain level, the formal education in the universities. Thus, it would be appropriate to conduct training courses for informing researchers as well as practicing engineers, architects, urban planners and scientists on these multidisciplinary topics. The training of researchers and professionals at an early stage in their careers is essential to the long-term goals. The ETCEE will provide a coordinated platform, enabling more than 400 participants from Europe, to benefit from this unique opportunity to receive teaching provided by some of the leading experts in Europe and abroad.

During the 20th century earthquakes claimed over 130,000 lives in the countries of today's EU alone (and over 400,000 in the wider European-Mediterranean area), as well as vast but uncalculated damage to property and economic activity. Over the last 40 years improved understanding and the experience of earthquake loss has driven the progressive development of new and better codes and regulations for building in earthquake areas; and buildings and facilities constructed to current codes are unlikely to be heavily damaged or destroyed by expected earthquakes. But throughout the European area, most of the built environment was created before these codes were formulated and enforced, and without the benefit of present understanding of the effects of earthquakes. Many of these buildings and facilities (which include schools, hospitals, and highway structures used continuously by the public) are unsafe by current standards and are liable to be seriously damaged or collapse in foreseeable earthquakes. Even where buildings are built to the codes, some damage will occur, since codes are designed for life-safety, rather than for damage-prevention; and strong earthquakes are liable to be disruptive to the urban infrastructure virtually everywhere.

The eleven training Courses that will be organized will serve to bring relevant European scientists, researchers and engineers together for increased interaction and will serve as a new platform to disseminate the data and findings on related scientific issues at European and international level. In addition, publication of books in the Springer book series on "Geological, Geotechnical and Earthquake Engineering" or as special issues in the Bulletin of Earthquake Engineering published by Springer will be encouraged and pursued to increase the available literature on the related topics.

The subjects treated in the courses exhaust the most important aspects of Earthquake Engineering and emphasise the multidisciplinary approach needed to mitigate the seismic risk at different scale levels. Seismic vulnerability is analysed at different levels of the detail, from single structures to urban systems and even regional territories up to entire countries. Policies, strategies and techniques for seismic risk mitigation and damage reduction are dealt with, considering the several aspects involved, starting from the seismic hazard of a region or a site to the definition of the seismic input for the simulation analyses of the seismic behaviour of several types of constructions (ordinary, strategic, monumental buildings, bridges, other special structures). Strengthening and upgrading techniques for the seismic rehabilitation of structures are analysed, considering innovative as well as traditional ones, comparing them and looking for the best solution, according to the type of construction dealt with.

FORTHCOMING EVENTS

- 26-27.8.2005** *Fourth European Workshop on the Seismic Behaviour of Irregular and Complex Structures, Thessaloniki, GREECE*, Contact: Prof. Andreas J. Kappos, Aristotle University of Thessaloniki, Department of Civil Engineering, University Campus, 54124 Thessaloniki, GREECE, Phone: (+30) 2310995743; Fax: (+30) 2310995614; mailto: ajkap@civil.auth.gr, web site: <http://taz.civil.auth.gr/4ewics>
- 27.8-1.9.2005** *International Conference on Earthquake Engineering to Mark 40 Years of IZiIS-Skopje, Earthquake Engineering in the 21st Century, Skopje-Ohrid, MACEDONIA*, Contact: Ms. Vesna Kitanovska, Institute of Earthquake Engineering and Engineering Seismology- IZiIS University "Ss Cyril and Methodius", Skopje, Macedonia, Phone: +389 231 76155; Fax: +389 231 22163; mailto: EE-21C@iziis.edu.mk; web site: <http://www.iziis.edu.mk/EE-21C>
- 4-7.9.2005** *6th European Conference on Structural Dynamics, Paris, France*, Contact: Eurodyn 2005 Office, Laboratoire de Mécanique, Université de Marne-la-Vallée, Paris, France; Phone: + 331 60 95 76 61; Fax: + 331 60 95 77 99; mailto: eurodyn2005@univ-mlv.fr; web site: <http://www.eurodyn2005.univ-mlv.fr/>
- 10.9.2005** *Satellite Conference on Recent Developments in Earthquake Geotechnical Engineering, TC4 of ISSMGE, Osaka, Japan*, web page: <http://www.civil.tohoku-gakuin.ac.jp/yoshida/tc4/tc4index.htm>
- 12-16.9.2005** *16th International Conference on Soil Mechanics and Geotechnical Engineering, Osaka, Japan*, web site: www.icsmge2005.org
- 2-8.10.2005** *IASPEI General Assembly, Santiago, CHILE*, Contact: Diana Comte, Dpt. Geophysics, Faculty of Physical and Mathematical Sciences, University of Chile; mailto: dcomte@dgf.uchile.cl; web site: <http://www.igm.cl/iaspei/index2.htm>
- 1-4.11.2005** *International Conference on 250th Anniversary of the 1755 Lisbon Earthquake, Lisbon, PORTUGAL*, Secretariat: MUNDICONVENIUS, Rua do Embaixador, 13 – 2 1300-215 Lisboa, Portugal, Phone: +351 21 364 94 98, Fax: + 351 21 364 95 23; mailto: info@mundiconvenius.pt; web site: <http://www.lisbon1755.org>
- 18-21.4.2006** *100th Anniversary Earthquake Conference Commemorating the 1906 San Francisco Earthquake, San Francisco, USA*, Conveners: Earthquake Engineering Research Institute (EERI), The Seismological Society of America (SSA), Disaster Resistant California (DRC), web site: <http://www.1906eqconf.org>
- 3-8.9.2006** *First European Conference on Earthquake Engineering and Seismology (13th European Conference on Earthquake Engineering and the 30th General Assembly of European Seismological Commission), Geneva, Switzerland*, Conference Organizers: SYMPORG SA; 7, avenue Krieg, CH-1208 Geneva, Switzerland; Phone: +41 22 839 8484; Fax: +41 22 839 8485; mailto: ECEES2006@symporg.ch; web site: <http://www.ECEES.org>

FORTHCOMING NEW BOOK

FROM THE SERIES OF

GEOTECHNICAL, GEOLOGICAL and EARTHQUAKE ENGINEERING

TITLE: *ASSESSING AND MANAGING EARTHQUAKE RISK*

Editors: C.S.Oliveira; A.Roca; X.Goula
Authors B.Adams, M.Alexoudi, A.Ansal, S.Argyroudis, A.H.Barbat, P.Y.Bard, L.Bozzo,
(in alphabetical A.Carvalho, J.Chazelas, L.Chiroiu, A.Coburn, E.Coelho, A.G.Costa, G.Di Pasquale,
order, with M.Erdik, Y.Fahjan, S.Figueras, B.Foster, E.Galanti, N.Gasulla, A.Goretti,
contributions to X.Goula, Ph.Guéguen, J.Irizarr, M.Kham, S.Lagomarsino, B.Le Brun, C.Lutoff,
different chapters) F.Mañá, C.Martin, P.Mouroux, P.Masure, B.Mohammadioun, O.Monge, M.Navarro,
J.J.Palma, K.Pitilakis, L.G.Pujades, A.Roca, S.Safina, K.Saito, L.Serva,
J.F.Semblat, R.Spence, M.L.Sousa, T.Susagna

PARTS of the BOOK:

EARTHQUAKE HAZARD AND STRONG MOTION
VULNERABILITY ASSESSMENT
SYSTEM ANALYSIS AND RISK

MANAGING EARTHQUAKE RISK
CASE STUDIES, INITIATIVES AND EXPERIENCES

We cordially invite all interested scientists and engineers to be an Individual Member of EAEE. It is 30 Euros per year with electronic yearly subscription to Bulletin of Earthquake Engineering published by Springer. All the necessary information is in the EAEE web pages (<http://www.eaee.org>). Individual members are offered 20% discount by Springer when they purchase a book from the book series on Geotechnical, Geological and Earthquake Engineering.

THE EXECUTIVE COMMITTEE (2002-2006)

Robin Spence, President

University of Cambridge, Martin Centre, Cambridge, United Kingdom

Panayotis Carydis, Vice President

National Technical University of Athens, Greece

Martin Koller, Vice President

Resonance Ingenieurs-Conseils SA, Geneva, Switzerland

Atilla Ansal, Secretary - General

Boğaziçi University, Kandilli Observatory and Earthquake Research Institute, Istanbul, Turkey

Mauro Dolce, Secretary

University of Basilicata – DiSGG, Potenza, Italy

Rainer Flesch, Treasurer

Arsenal Research, Vienna, Austria

Rafael Blázquez Martínez

Universidad de Castilla-La Mancha, Ciudad Real, Spain

Pierre-Alain Naze

CEA, Saint-Paul-Lez-Durance, FRANCE

Peter Fajfar

University of Ljubljana, Slovenia

Carlos Sousa Oliveira

Instituto Superior Tecnico, Lisbon, Portugal

Honorary Members

Nicholas N. Ambraseys

Imperial College, London, United Kingdom

Drazen Anicic

Zagreb, Croatia

Giuseppe Grandori

Politecnico di Milano, Milan, Italy

Ali Akbar Moïnfar

Tehran, Iran

Representative of ESC Roger Musson

British Geological Survey, Edinburgh, United Kingdom

MEMBER ASSOCIATIONS AND DELEGATES

Algerian Association for Earthquake Engineering, *Dr. Mohamed Belazougui*

Armenian Association for Earthquake Engineering, *Prof. Mikayel Melkumyan*

Austrian Association for Earthquake Engineering, *Prof. Rainer Flesch*

Bulgarian National Committee for Earthquake Engineering, *Prof. Ludmil Tzenov*

Croatian Society for Earthquake Engineering, *Dr. Mihaela Zamolo*

Cyprus Civil Engineers and Architects Association, *Themos Demetriou*

Czech Society for Mechanics, *Dr. Jiří Náprstek*

Egyptian Society for Earthquake Engineering, *Prof. Mohamed Sobaih*

French Association for Earthquake Engineering, *Pierre-Alain Naze*,

German Society for Earthquake Engineering and Structural Dynamics, *Prof. Konstantin Meskouris*

Georgian National Committee of Earthquake Engineering & Engineering Seismology, *Prof. Guram Gabrichidze*

Hellenic Society for Earthquake Engineering, *Prof. Andreas Kappos*

Hungarian National Committee for Earthquake Engineering, *Prof. Laszlo P. Kollár*

Icelandic National Society of Earthquake Engineering, *Prof. Ragnar Sigbjornsson*

Iranian Society for Earthquake Engineering, *Dr. Ahmad Naderzadeh*

Israeli Association for Earthquake Engineering, *Prof. Avigdor Rutenberg*

Italian National Association for Earthquake Engineering, *Prof. Mauro Dolce*

Kazakhstan Public Regional Foundation for Development of Earthquake Engineering, *Prof. Marat Ashimbayev*

Macedonian Society of Earthquake Engineering, *Prof. Kosta Talaganov*

Norwegian Society for Earthquake Engineering, *Dr. Farrokh Nadim*

Polish National Committee on Earthquake and Paraseismic Engineering, *Prof. Zbigniew Zembaty*

Portuguese Society for Earthquake Engineering, *Prof. Carlos Sousa Oliveira*

Romanian Association for Earthquake Engineering, *Dr. Emil-Sever Georgescu*

Russian National Committee for Earthquake Engineering, *Prof. Jacob M. Eisenberg*

Slovak Association for Earthquake Engineering, *Prof. Emilia Juhasova*

Slovenian Association for Earthquake Engineering, *Prof. Peter Fajfar*

Spanish Association for Earthquake Engineering, *Prof. Rafael Blazquez*

Swiss Society for Earthquake Engineering and Structural Dynamics, *Dr. Thomas Wenk*

Turkish National Committee on Earthquake Engineering, *Prof. Nuray Aydınoğlu*

The Society for Earthquake Engineering and Civil Engineering Dynamics, UK, *Dr. Bryan Skipp*

Association for Ukrainian Earthquake Engineering, *Prof. Yu. I. Nemchynov*

Yugoslav Association for Earthquake Engineering, *Prof. Bozidar Pavicevic*