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Participants of the symposium came from 13 countries/regions including Australia, Canada, China, India, Japan, Mongolia, Russia, Switzerland, Thailand, UK, USA, and Vietnam. In total, 66 papers were presented at the symposium. It was supported by IUGG and co-sponsored by the Asian Seismological Commission of IASPEI, the Seismological Society of Japan, and the Southern California Earthquake Center.

Several keynote-lectures were delivered at the symposium: (1) "Retrospection on seismicity pattern and its forecast result before Wenchuan earthquake" by Y. Zhang, China Earthquake Networks Center; (2) "An introduction to the special project 'research on mid- and long-term forecast for potential M7 and greater earthquakes in mainland China'" by X. Wen, Earthquake Administration of Sichuan Province; (3) "Earthquake prediction: 20 years of global experiment" by V. Kossobokov, Russian Academy of Sciences in Moscow (Vice-President, IUGG Commission on Geophysical Risk and Sustainability); (4) "How far are we from numerical earthquake prediction?" by Y. Shi, Chinese Academy of Sciences in Beijing; (5) "Earthquake forecasting: data, physics, methods, validation, and applications" by J. Rundle, University of California at Davis; (6) "GEMS: a global earthquake monitoring system that could stress-forecast all damaging earthquakes worldwide" by S. Crampin, University of Edinburgh; (7) "Map of expected earthquakes for north-east China: 10 years after" by A. Zavyalov, Russian Academy of Sciences in Moscow (Chairman, IASPEI Commission on Earthquake Source – Modeling and Monitoring for Prediction), and (8) "Estimates of losses due to earthquakes" by M. Wyss (World Agency of Planetary Monitoring and Earthquake Risk Reduction).

An Open Forum was organized, accommodating the debate on the future of the study on earthquake predictability and its application. More details on the website:

<http://www.cea-igp.ac.cn/English/Symposium/index.htm>

Foreword



Dear readers,

Please find in this issue some more news from our seismological community.

I am sending out the Newsletter as an attachment to an e-mail, trying to limit its size. It can also be downloaded from the IASPEI website:

<http://www.iaspei.org/newsletters/newsletters.html>

The IASPEI Newsletter is distributed to National Correspondents and other national representatives we know of, to all IASPEI officers, to IASPEI scientists who attended recent IASPEI Assemblies, and to various research organisations in countries around the world.

Peter Suhadolc
Secretary General

Report on the International Symposium on Earthquake Seismology and Earthquake Predictability (ISESEP 09)

The International Symposium on Earthquake Seismology and Earthquake Predictability was held in Beijing, China, from 5 to 9 July 2009.

Job Opportunities

A professorship (W2) in Applied Geophysics / Exploration Geophysics

At the Institute of Geophysics of the TU Bergakademie Freiberg we have an opening for the position of a Professor in Applied Geophysics / Exploration Geophysics with focus on numerics in elastic wave methods.

We have a large geo-community here and the institute's focus is on numerical simulation and inversion in both seismics and EM so that there is a vivid exchange between those two branches.

The successful candidate will teach at both the undergraduate and graduate levels in the fields of elastic waves and general geophysics, and establish major programs in exploration geophysics, including fund raising and undertaking and publishing research. He/she will also actively develop integrated research programs in accordance with the focus of research and the scientific environment at Freiberg University.

According to the profile of the institute numerical simulation and inversion techniques for wave phenomena are the center of interest. The seismological observatory Berggießhübel is associated with this position. Cooperation with other research groups and an active participation in academic administration is expected. Competence and readiness to lecture in English and German are important requirements.

The infrastructure and the geo-scientific research focus at Freiberg University are described in detail under <http://www.fak3.tu-freiberg.de/index.html>. Find more information at www.geophysik.tu-freiberg.de.

For any queries, please contact the Dean of the Faculty, Prof. Dr. Sroka, phone: +0049(0)373139-2612.

New Books

Earthquakes in the Mediterranean and Middle East

by N.N. Ambraseys

This book examines historical evidence from the last 2000 years to analyse earthquakes in the eastern Mediterranean and Middle East. Early chapters review techniques of historical seismology, while the main body of the book comprises a catalogue of more than 4000 earthquakes identified from historical sources. Each event is supported by textual evidence extracted from primary sources and translated into English. Covering southern Rumania, Greece, Turkey, Lebanon, Israel, Egypt, Jordan, Syria, and Iraq, the book documents past seismic events, places them in a broad tectonic framework, and provides essential information for those attempting to prepare for, and mitigate the effects of, future earthquakes and tsunamis in these countries. This volume is an indispensable reference for researchers studying the seismic history of the eastern Mediterranean and Middle East, including archaeologists, historians, earth scientists, engineers and earthquake hazard analysts. A parametric catalogue of these seismic events can be downloaded from:

www.cambridge.org/9780521872928.

New version of Quantitative Seismology

by K. Aki and P. Richards

A paperback version of the textbook Quantitative Seismology by Keiiti Aki and Paul G. Richards has recently been published by University Science Books, and may be ordered via www.uscibooks.com/aki.htm

The first version was published in two volumes in 1980. Many developments in seismology necessitated extensive revisions and the second edition in one hardback volume appeared in 2002. The new paperback version of the second edition, available since April 2009, corrects typos and a few Figures, and adds a few new problems.

The book provides a unified treatment of seismological methods --- used in propagation theory, source theory, and instrumentation --- of relevance to advanced students in geophysics, and scientists and engineers working in all areas of seismology.

ISBN 978-1-891389-63-4, 700 pages, Paper Cover

In Memoriam

Paul Silver (1948 –2009)



Paul Silver died tragically in an automobile accident in North Carolina on 7 August as he was driving his daughter Celine back from a research internship in Florida. Celine perished in the crash as well.

A member of the Research Staff at the Department of Terrestrial Magnetism Carnegie Institution of Washington since 1982, Silver was an international leader in understanding how earthquakes are triggered and how they interact with each other. He made a series of important contributions to earthquake research by observing the slow redistribution of stress and strain along fault zones.

In one long-term study of small earthquakes triggered by a large event in southern California, he and his colleagues discovered an annual cycle: fall had the greatest number of earthquakes, spring the least. The team found that this pattern could be related to barometric pressure changes—less pressure meant reduced stress on the faults, which permitted them to move more frequently.

Last year, Silver was co-author of a paper showing there were subtle changes in the speed of seismic waves that preceded two small earthquakes—encouraging results for the field of earthquake forecasting.

Silver's research took him all over the world. He organized and conducted seismic field experiments in northern Canada, southern Africa, Chile and Bolivia, China, and Tibet, as well in California and elsewhere in western North America. He is widely recognized for developing the techniques to determine the direction-dependence of seismic wave speeds in the Earth's upper mantle, a procedure now in widespread use to study the patterns of convective flow in the Earth's interior and the processes by which the continents were assembled.

Silver served as the President of the Seismology Section of the American Geophysical Union from 2004 to 2006, and he chaired the Board of Directors of both UNAVCO and the Incorporated Research Institutions for Seismology. He was a leader in proposing the concept of a Plate Boundary Observatory of seismometers, strainmeters, and geodetic instruments in western North America, a facility that is now operational as part of the EarthScope project of NSF.

Among his honors, Silver was elected a Fellow of the American Academy of Arts and Sciences in 2007, and he was the Royal Astronomical Society Harold Jeffreys Lecturer in 2005. He was also a Fellow of the AGU and the Geological Society of America and a member of Phi Beta Kappa.

A man of exceptional creativity and consistently good humor, Silver served as mentor and collaborator to younger scientists throughout his career. Many of the students and postdoctoral scientists who worked with Silver while at the Carnegie Institution continued to collaborate with him for years thereafter, testimony to the positive influence that he had on the careers of many now active in Earth science. In recognition of his contributions to science and to his role as a mentor to

dozens of young scientists, the Carnegie Institution has established a Paul G. Silver Postdoctoral Fellowship in Seismology.

Adapted from:
<http://www.dtm.ciw.edu/news-mainmenu-2/85-dtm-news/565-silver-omit>

Meetings Calendar

A calendar of scientific meetings relevant to the interests of IASPEI scientists is maintained at:

<http://www.iaspei.org/meetings/forthcoming.html>

where more details can be found. We report below just the titles, dates, places and websites of the forthcoming meetings.

2009

1st International Workshop on Earthquake Archaeology and Palaeoseismology

September 7-13, 2009, ancient Roman city of Baelo Claudia, Cádiz, Southern Spain

Deadline for regular registration, payment and abstract submission: June, 15th

For more information on the Workshop, please visit the website: <http://baelo2009.org/>

Contact person: **Christoph Grützner**
c.gruetzner@nug.rwth-aachen.de

International Symposium on Historical Earthquakes and Conservation of Monuments and Sites in the Eastern Mediterranean Region 500th Anniversary Year of the 1509 September 10, Marmara Earthquake

September 10 – 12, 2009, Istanbul Technical University, İSTANBUL – TURKEY

Website: <http://www.1509.itu.edu.tr>

Contact person: Dr. Tuncay Taymaz (1509@itu.edu.tr, taymaz@itu.edu.tr)

Climate Forcing of Geological and Geomorphological Hazards?

15 - 17 September 2009, University College London, UK

The Third Johnston-Lavis Colloquium, on the theme of *Climate Forcing of Geological and Geomorphological Hazards*, will address relationships between past and contemporary climate change and the triggering of hazardous geological and geomorphological phenomena. The meeting is supported by the UK Met Office, the British Geological Survey, the British Antarctic Survey and UCL and Oxford universities.

SESSIONS

- S1. Past climate change and geological and geomorphological hazards
- S2. Feedback effects and climate modification

S3. Short time-scale drivers of geological and geomorphological hazards

S4. Climate change forcing of geological and geomorphological hazards

Early-bird registration and abstract deadline:

6 July 2009

Contact email: w.mcguire@ucl.ac.uk

For further information go to: <http://www.abuhrc.org>

ICTP Workshop Advanced School on Non-linear Dynamics and Earthquake Prediction

28 September – 10 October 2009, Trieste, Italy

Website:

http://cadsagenda5.ictp.trieste.it/full_display.php?id=a08182

Contact person: G. F. Panza <panza@units.it>

Eastern Section SSA 2009 Annual Meeting

4-6 October, 2009, Palisades, New York

at the Lamont-Doherty Earth Observatory

Chair of the Organizing Committee: Won-Young Kim

Information at <http://www.seismosoc.org>

Earthquakes and pre-earthquake processes

30 October 2009, Reykjavik, Iceland

Abstract deadline: September 14, 2009

Website: <http://en.vedur.is/earthquakes-and-volcanism/conferences/jsr-2009>

Contact person: Steinunn S. Jakobsdóttir, ssj@vedur.is

The Icelandic Meteorological Office.

IRIS/ORFEUS Metadata Workshop - Managing Waveform Data and Related Metadata for Seismic Networks

November 8-17, 2009, Helwan, Cairo, Egypt

More Information can be obtained at:

www.iris.edu/workshops/2009/metadata/

95th Journées Luxembourgeoises de Géodynamique

November 9-11, 2009, Trifolion conference center, Echternach, Luxembourg

Abstract deadline: September 15, 2009

Website:

<http://www.ecgs.lu/index.php?option=news&task=viewarticle&sid=20>

Contact persons: Mrs. Corine Galassi <corine.galassi@ecgs.lu>, Dr. Adrien Oth <adrien.oth@ecgs.lu>

Workshop on Active Tectonic Studies and Earthquake Hazard Assessment in Syria and Neighboring Countries

17 - 19 November 2009, Damascus, Syria

Website: <http://www.arabschool.org.sy/earthquake/>

Contact persons: Dr. Mohamad Daoud And Muawia Barazangi <mb44@cornell.edu>

2010

SSA 2010 Annual Meeting

20-23 April, 2010, Portland, Oregon

Program Committee co-chairs Seth Moran (USGS - Cascades Volcano Observatory) and Nick Beeler (USGS - Vancouver)

Information at <http://www.seismosoc.org>

AGU Chapman Conference on giant earthquakes and their tsunamis

May 2010, Chile

The conference window will include the 50th anniversary of the 1960 Chilean mainshock, of magnitude 9.5.

Website:

<http://www.agu.org/meetings/chapman/2010/acall/>

Contact person:

Brian F. Atwater: atwater@usgs.gov

Workshop on "Seismic waves in laterally inhomogeneous media VII"

June 21-26, 2010, Nové Hradky Castle, Czech Republic

You can find basic information about the workshop on the website:

<http://sw3d.cz/swlim/>

Contact person: Ivan Pšencik <ivan@ig.cas.cz>

2010 AGU Joint Assembly in Brazil

August 8-13, 2010, Iguassu Falls, Brazil

Call for session proposals:

www.geophysics2010.org

Enquiries: Marcelo S. Assumpcao

<marcelo@iag.usp.br>

European Conference on Earthquake Engineering

August 30 – September 3, 2010, Ohrid, Republic of Macedonia

The organiser of the conference is the Macedonian Association for Earthquake Engineering (MAEE), under the auspices of EAEE.

Conference website: <http://www.14ecee.mk>

ESC2010 (European Seismological Commission 2010)

September 5-9, 2010, Montpellier, France

Venue: Corum Conference Centre

Contact: Rémy Bossu (bossu@emsc-csem.org)

Website: www.esc2010.eu **NEW!!**

XIX Congress of the Carpathian Balkan Geological Association

23-26 September 2010, Thessaloniki, Greece

Web: www.cbga2010.org

Email: info@cbga2010.org

General Information about IASPEI

The International Association of Seismology and Physics of the Earth's Interior is one of the eight Associations of the International Union of Geodesy and Geophysics [[IUGG](#)].

The other IUGG Associations are:

International Association of Cryospheric Sciences ([IACS](#))

International Association of Geodesy [[IAG](#)]

International Association of Hydrological Sciences [[IAHS](#)]

International Association of Meteorology and Atmospheric Sciences [[IAMAS](#)]

International Association for the Physical Sciences of the Oceans [[IAPSO](#)]

International Association of Geomagnetism and Aeronomy ([IAGA](#))

International Association of Volcanology and Chemistry of the Earth's Interior [[IAVCEI](#)]

Scientific Assemblies

IASPEI holds an Ordinary General Assembly every four years in conjunction with each Ordinary General Assembly of IUGG. Between the General Assemblies, IASPEI holds a Scientific Assembly, sometimes meeting with one of the other Associations of IUGG.

Participation in IASPEI Activities

IASPEI welcomes all scientists throughout the world to join in research into Seismology. IASPEI is subdivided into a number of Commissions, many of which have working groups for the study of particular subjects in their general areas of interest. On occasion, these internal IASPEI groups issue their own newsletters or circulars and many maintain their own web sites. At the IASPEI Assemblies, the groups organize specialist symposia, invite scholarly reviews and receive contributed papers that present up-to-the-minute results of current research. The IASPEI web site gives, or provides links to, information on the range of IASPEI activities.

The IASPEI Web site

Information on IASPEI can be found at:
<http://www.iaspei.org/>

Contacting IASPEI

The Secretary-General is the main point of contact for all matters concerning IASPEI.

Prof Peter Suhadolc
Dipartimento di Scienze della Terra
Universita' di Trieste
Via E. Weiss, 1
I-34127 Trieste, ITALY
E-mail: suhadolc@units.it