



## IASPEI NEWSLETTER Jun 2007

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### 1. IUGG General Assembly in Perugia (Italy)

In less than a month the IUGG General Assembly in Perugia will be held. In the following some news and information about it.

#### Schedules for administrative meetings and for scientific sessions

Full schedules for administrative meetings as well as scientific sessions are now available on the General Assembly website - [www.IUGG2007Perugia.it](http://www.IUGG2007Perugia.it). To access the meeting schedules, first sign in; click "Bulletins" in the left-hand menu, then "Meeting Program," then download either the text or the Gantt (chart) attachment. To access the scientific program schedules, it is also possible to enter through the "Bulletins" option; click on "Scientific Program," then download one of the attachments. Alternatively, the "IUGG Programs" link on the left-hand menu (at the very bottom) contains both the times and the rooms of the sessions. Click on the various options (Daily Rooms Planning, Global Rooms Planning, etc) to access the various informative charts.

#### Special events during IUGG

Following are a list of special events that will take place during the General Assembly, in chronological order. These now include plenary sessions of the Associations and Union Commissions, and special meetings of inter-Union bodies. Rooms have been assigned for each event.

Monday 2 July; 8:30 – 9:15 a.m. Union Lecture in the Aula Magna (University of Perugia); Robert Corell, Harvard University, USA, will speak on “Our Changing Climate: A Global Policy Issue.”

Monday 2 July; 2 – 3:30 p.m. IAG Council of Delegates

Monday 2 July; 4 – 6 p.m. first IAGA Conference of Delegates

Monday 2 July; 6:30 – 10 p.m. General Assembly Welcoming Ceremony

Tuesday 3 July; 5:30 – 7:30 p.m. IAMAS Conference of Delegates

Tuesday 3 July; 6 – 7 p.m. SEDI Business meeting

Wednesday 4 July; 8:30 – 10 a.m. IAPSO Conference of Delegates

Wednesday 4 July; 10:00 a.m. IAPSO Special Event: The Prince Albert I lecture "From Swallow floats to autonomous observing networks", Prof. Russ Davis, Scripps Institution of Oceanography

Wednesday 4 July; 3:30 – 5 p.m. IAG Opening Ceremony

Wednesday 4 July; IAPSO dinner

Thursday 5 July; 8:30 – 9:15 a.m. Union Lecture in the Aula Magna (University of Perugia); Maria Zuber, Massachusetts Institute of Technology, USA, will speak on “Inside the terrestrial planets”

Thursday 5 July; 7 – 9 p.m. IAMAS Special Event: Our Understanding Of Climate Change; report of the findings of the Fourth Assessment Report (AR4) of the Intergovernmental Panel on Climate Change (IPCC).

Thursday 5 July; 7:30 – 8:30 p.m. EMSEV Working Group meeting

Friday 6 July; 10 – 12 a.m. second IAGA Conference of Delegates

Friday 6 July 12:00 – 1:45 p.m. GeoRisk Commission Business Meeting

Saturday 7 July; Launch of the Electronic Geophysical Year (eGY) and Celebration of the IGY+50 Anniversary.

2 – 3:15 p.m.: Geosciences in Africa

3:30 - 6:30 p.m.: IGY+50 and eGY exhibits and demonstrations

5:00 p.m.: Official Launching of the eGY

Sunday 8 July; SCOSTEP General Council Meeting (at Hotel Gio)

Sunday 8 July; 2 – 6 p.m. Cryospheric Sciences Union Commission meeting:

Sunday 8 July; 6 – 8 p.m. International Lithosphere Programme Bureau meeting

Monday 9 July; 08:30 - 9:30 am IASPEI Conference of delegates  
(Opening plenary)

Monday 9 July; 6 – 8 p.m. IAG Plenary meeting

Monday 9 July; 6 – 7:30 p.m. IAHS First Plenary meeting

Monday 9 July; 7 – 9 p.m. IAMAS Special Event: The Assessment Of The Effect  
Of Pollution On Precipitation

Tuesday 10 July; 8:30 – 9:15 a.m. Union Lecture; Claudio Faccenna,  
Università di Roma Tre, Italy, will speak on “Subduction and Mantle Convection  
in the Mediterranean”

Tuesday 10 July; 3:30 – 5:30 p.m. IAG Closing Plenary

Tuesday 10 July; 5:30 – 7:30 p.m. IAMAS Conference of Delegates

Tuesday 10 July; 6 – 7:30 p.m. Young Scientists Panel Discussion

Wednesday 11 July; 6 – 7:30 p.m. IAHS-PUB Plenary

Wednesday 11 July; 6 – 7:30 UCCS/IACS Plenary

Thursday 12 July; 6 – 8 p.m. CMG Business Meeting

Thursday 12 July; 6 – 7:30 p.m. IAHS Second Plenary meeting; 8 p.m. banquet

Thursday 12 July; 8 – 10 p.m. IASPEI dinner

Thursday 12 July; 5 – 6 p.m. IAVCEI General Membership meeting; 8 – 10 pm  
IAVCEI dinner

Friday 13 July; 8:30 – 9:15 a.m. Union Lecture in the Aula Magna, Kenji Satake,  
National Institute of Advanced Industrial Science and Technology, Japan, will  
speak on “Lessons from the 2004 Sumatra-Andaman earthquake and the Asian  
tsunami”

Friday July 13. The IASPEI Closing Plenary will take place from 3 – 4 pm.

Friday 13 July; 4 – 5 p.m. Closing Ceremony. Meet the new IUGG officers for  
2007-2011 and receive the invitation for the 2011 (XXV) IUGG General Assembly

## **Final Slate of IUGG Officers**

Given below is the list of nominations for the IUGG Bureau and the Finance Committee as submitted by the Nominating Committee. For each position either one or two candidates have been nominated, as required by the By-Laws (10b). The positions and the nominated candidates are:

President: Tom Beer (Australia)

Vice-President: Harsh K. Gupta (India), and David Kerridge (U.K.)

Treasurer: Aksel W. Hansen (Denmark)

Secretary General: Alik Ismail-Zadeh (Germany)

Bureau Members

Position #1 Yun-Tai Chen (China)

Position #2 Ali Tealeb (Egypt)

Position #3 David Jackson (U.S.A.)

Finance Committee

Position #1 Jan Krynski (Poland)

Position #2 Kyoshi Suyehiro (Japan)

Position #3 Juan Vilas (Argentina)

Position #4 Czango Baag (Korea)\*

The Curriculum Vitae of the candidates are posted on the IUGG Web site.

## **Cultural Events at the Perugia General Assembly**

The Perugia Local Organizing Committee is organizing many mayor side events. Amongst these there is an extraordinary exhibition about Leonardo Da Vinci and history of cartography in collaboration with the Italian Army Geographical Institute. This event will be held in the wonderful location of S. Giuliana Monastery.

We are now cooperating with the organizers of the Umbria Jazz Festival to put our efforts together in order to make your evenings the most enjoyable with reserved accesses to the concerts.

And finally, please announce that we are also proposing many initiatives in collaboration with the mayor cultural associations and museums such as free entrance tickets and special guided tours to let you fully enjoy all the several resources that our land offers.

## **"Accompanying person program"**

The Accompanying person program gives you the possibility to choose one of the different packages the LOC offers you (see conference) webpage.

For information feel free to contact: [secretary.denise@iugg2007perugia.it](mailto:secretary.denise@iugg2007perugia.it).

## **"The Child Care form"**

The Loc Secretariat has the pleasure to inform you that it is available on the website "the Child Care form", for children between 3 and 12 years old, who are accompanying their parents attending the General Assembly.

Every day the operators of the POST (Science and Technology Centre in Perugia), in collaboration with Antinori School, will guide the children through two scientific laboratory plays about topics related to the ones discussed in the sessions of the day.

If you are interested in the service, go to 'Child Care Form (pdf)' under 'My IUGG' section or click the following link to download the form and send it to us by fax or by email until May 30th

<http://www.iugg2007perugia.it/public/IUGG/childCAREform.pdf>

For further information don't hesitate to contact us at the e-mail address: [secretary.francesca@iugg2007perugia.it](mailto:secretary.francesca@iugg2007perugia.it).

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## **2. In memoriam**

### **Nadezhda V. Kondorskaya**

Winner of the Russian Federation State Prize of 2002 for Science and Technology, Professor, Doctor of Physics and Mathematics and Chief Researcher, one of the oldest staffers at the Institute of Physics of the Earth, died on February 28, 2007, after a long and painful illness.

Having started her career as a scientist in 1946 at the Seismological Institute, later renamed as the Institute of Physics of the Earth, she made a long way and won a name for herself as a world renowned seismologist. The follower of the founder and first director of the Seismological Institute, Associate Member of the U.S.S.R. Academy of Sciences, Pavel M. Nikiforov, Nadezhda Kondorskaya was a consistent proponent of Russian seismological traditions, promoted and publicized them both at home and abroad.

It was thanks to her efforts that the Unified System of Seismic Observations (USSO) of the U.S.S.R. was created in the mid 1960s, which she had successfully headed for many years thereafter; USSO was the predecessor of and laid the foundation for the present Geophysical Survey of the Russian Academy of Sciences. The USSO Commission at the Seismological Council, which Nadezhda Kondorskaya chaired for many years, inherited and developed the traditions of the Permanent Central Seismological Commission (PCSC) which was established back in 1900 at the Russian Imperial Academy of Sciences and which is associated with the legacy of such luminaries of domestic seismology and seismometry as Academicians Ivan V. Mushketov and Boris B. Golitsyn. Nadezhda Kondorskaya's participation in the major international geophysical organizations and associations, such as the International Union of Geodesy and

Geophysics (IUGG), International Association of Seismology and Physics of the Earth's Interior (IASPEI), International Seismological Center (ISC), European Seismological Commission (ESC) and others, facilitated the development of cooperation ties between the Institute of Physics of the Earth and Russian seismological science as a whole with the international geophysical and seismological community. The works of Nadezhda Kondorskaya won international recognition, and many of them became part of the "Golden Fund" of both domestic and international seismology.

Deserving special notice is the unique annual edition, "Earthquakes in the U.S.S.R." bulletins which were prepared and issued under her guidance for 30 years, and which continued later as "Earthquakes in the North Eurasia" published since 1992 by the Geophysical Survey of the Russian Academy of Sciences. The "New Catalog of Strong Earthquakes on the Territory of the U.S.S.R. From the Ancient Times Until 1974," created by Kondorskaya in co-authorship with Professor Nikolay V. Shebalin, has become an essential landmark in the history of Russian and world seismology.

Her sincere devotion to seismology, the impressive number of successfully accomplished works and achievements in research management in close cooperation with domestic and foreign scientists combined with benevolence, generosity and attention to people helped her to preserve effective ties with lots of workers both in the CIS and beyond even after the collapse of the Soviet Union.

The death of Nadezhda V. Kondorskaya is a great loss to seismology. The outstanding scientist, the attractive and admirable person, she will stay in our hearts forever.

Colleagues, Followers, Friends

### **Prof. Sergey V. Goldin: scientist, poet, very special person to all of us**

Sergey V. Goldin was born on 28 January 1936 in Leningrad, Russia. He graduated from the Leningrad Mining Institute as geophysicist in 1958 and then worked as engineer for seismic exploration in West Siberia.

In the early 1960-s he became a postgraduate student under Nikolay N. Puzyrev, a brilliant geophysicist, at the Institute of Geology and Geophysics (IGiG) in Akademgorodok near Novosibirsk. Sergey lived there all his life on and was very much fond of that nice place. From 1970 to 1989 he headed a Laboratory at the same institute, and from 1996 to 2005 he was director of the Institute of Geophysics as part of IGiG.

Professor S. Goldin was among world noted mathematical geophysicists. His major scientific contribution was in the field of inverse kinematic problems of reflection and refraction seismology. His original method of discontinuities became one basic approach in the seismic migration theory which allowed quantitative comparison of different subsurface imaging tools and synthesizing algorithms with pre-specified properties. He contributed a lot to the theory of optimal digital filters, statistical processing of geophysical data, seismic

tomography, and wave propagation in complexly structured, heterogeneous, and anisotropic media. Together with his students and colleagues, he developed a new approach to seismic fields in the vicinity of singularities (caustics) and led experimental and theoretical studies of nonlinear effects associated with wave propagation in complex and fluid-saturated media.

Through recent years Sergey Goldin headed seismologic research in Siberia and explored the problems of geophysics that were new for him. He studied earthquake physics and seismic hazard issues and suggested a new strategy of geophysical and geodynamic monitoring which moved the emphasis from looking for earthquake precursors toward looking into rock mechanics and physics of processes in the crust. The new approaches he developed were concerned with theory and experiments on slow movements and mechanisms of energy transfer in structured media, including faulted lithosphere, role of external geodynamic forcing and its changes with time, dilatancy effects. Sergey Goldin brought together geophysicists, mathematicians, physicists, and geologists from many academic institutions of Siberia and all Russia to involve them into several large integration projects for those problems. He initiated and organized a yearly workshop on geophysics and rock mechanics which became popular with many scientists and reported in special issues of the Russian journal of physical mesomechanics *Fizicheskaya mezomehanika*.

Sergey Goldin is the author of five books and over two hundred papers in mathematical geophysics and seismology. His *Seismic Traveltime Inversion* that came out in the U.S. in 1986 opened the *Investigations in Geophysics Series* published by AGU.

Professor Sergey Goldin was a keen teacher. For eighteen years he taught and headed a chair at Novosibirsk University, one of best Russian universities. He was also invited lecturer at many universities worldwide: Stanford University and University of Washington in the U.S., University of British Columbia in Canada, Technical University of Trondheim in Norway, State University of Bahia in Brasil, University of Tonji and Donjin Oil University in China.

The professional activities of S. Goldin were overwhelming and spanned research, teaching, editorial, and consulting duties. He was Full Member of the Russian Academy of Sciences, Member of European Academy of Sciences and of American Geophysical Union, and vice-president of the Asian Seismologic Commission since 2004. In recognition of his scientific success he was awarded several medals, orders, and prizes, namely State Award of Russian Federation (highest Russian award), State Prize of the Russian Federation, Schmidt Prize (together with N.N. Puzyrev) for the theory of kinematic interpretation of seismic waves, Fedynsky medal for outstanding contribution to national geophysics, and others.

Beyond science, Sergey was a gifted poet and author of two books of poems, played the mandolin, went into sports. After all, he was a very nice person, joyful and encouraging. He was somebody who makes people feel at home, very easy to get along with, and always surrounded with pleasant atmosphere. He loved life, loved his science and people around him. And his friends, colleagues, and students, returned him the warmest affection.

All people who met Sergey Goldin will keep memory of a remarkable personality, an excellent and respectable scientist, a talented and loved teacher. He passed away on 18 May 2007 at an age of 71, in his full activity, having left many unfinished projects to be taken up by his students and colleagues.

by A. Gliko, N. Dobretsov, A. Kontorovich, M. Epov, G. Sobolev, A. Zavyalov and P. Djadkov

### **Prof. Heikki Korhonen**

Prof. Heikki Korhonen died on March 25, 2007 at the age of 82. He was the director (1977-1991) of the Institute of Seismology, Helsinki, Finland.

### **Father Lawrence Arthur Drake sj**

Father Lawrence Drake born in Camperdown, Victoria Australia in October 29th, 1931; he was son of Frederick and Frances, brother of Eileen Maree, Frank Brian, Colin Anthony and Barbara Kathleen.

After his first education at Xavier Collegue he studied to priest at normal Jesuits, in the 76th year of his life, his 58th year as a Jesuit. Father Drake worked in Geophysics at Macquarie University, Sydney, NSW for 20 years from Riverview College.

He worked at Observatory San Calixto in La Paz –Bolivia, and he has to much publications about seismic studies of many regions of Bolivia , he was Director of Observatory San Calixto from 1993 to 2001, and for health reason Father Drake returned to Australia where he worked in the society's archives.

F. Lawrence Drake died in St. Vincents Hospital in Australia on April 28th, 2007.  
Estela Minaya

### **Prof. Tony Dahlen**

Tony Dahlen died on Sunday, June 3, at the age of 64. Far too young - as he would be the first to acknowledge - because he was living life to the fullest.

Tony was diagnosed with small cell carcinoma in August 2005. He fought the disease courageously, and remained for a long time optimistic he could beat the odds. In fact, he tried not to be distracted by the therapies imposed on him. For a year he remained chair of the department and, until a few weeks ago, he was still actively teaching a graduate class, writing papers and taking part in research meetings. He was concerned about his leaving students and postdocs behind without his support. He towered above us both intellectually and as a human being.

For his theoretical research in and beyond seismology Tony received many recognitions, among which the AGU's Lehmann medal and - most recently - the Reid medal from the SSA. These honours pleased him very much, though on both occasions he said it surprised him when he learned about it, and he would



give reasons why others deserved it more than he did. This was typical of his generosity, which he bestowed on students and colleagues alike. We shall all miss him terribly.

Guust Nolet, Jeroen Tromp

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### **3. News in short**

#### **International Training Courses on "Seismology and Seismic Hazard Assessment"**

The GeoForschungsZentrum Potsdam (GFZ), organises annually International Training Courses on "Seismology and Seismic Hazard Assessment". They provide theoretical fundamentals and practical training in applied seismology, especially for geoscientists and technicians from earthquake prone countries. The program is particularly useful for seismological station and network operators, data interpreters and those concerned with seismic zoning and hazard assessment. These postgraduate crash courses are part of the educational and training program of the UNESCO in the field of geosciences and disaster mitigation.

The course circular, scientific programme, and application form for the course 2007 in Potsdam, Germany can be obtained from:

Dr. Claus Milkereit

GeoForschungsZentrum

Telegrafenberg Haus E

D 14473 Potsdam

Germany

E-mail: [course-un@gfz-potsdam.de](mailto:course-un@gfz-potsdam.de)

[http://www.gfz-potsdam.de/pb2/pb21/services/Kurs/index\\_e.html](http://www.gfz-potsdam.de/pb2/pb21/services/Kurs/index_e.html)

#### **New Manual of Seismological Observatory Practice**

The Chinese edition of the IASPEI New Manual of Seismological Observatory Practice was published late December last year. It is a bound hard cover book in two volumes.

The GeoForschungsZentrum Potsdam has agreed to assist Peter Borman in arranging an updated and amended second edition of the NMSOP. They plan to put it on the Internet via the GFZ website for all interested users and to maintain it there upgraded in the future in close collaboration with IASPEI and its Commission on Seismic Interpretation and Observation (CoSOI).

## **Lecture notes: "Theory of Elastic Waves" by Gerhard Müller**

To make the "Theorie Elastischer Wellen" of Gerhard Mueller available to a wider audience, the German script has been translated into English. The script (230 pages and ca. 100 figures) is available free of charge from the internet at the following addresses:

<http://samizdat.mines.edu/>

<http://www.gfz-potsdam.de/bib/pub/str0703/0703.htm>

Printed copies are available for 10€ via an e-mail or mail to:

Bibliothek des Wissenschaftsparks Albert Einstein

Telegrafenberg A17 --

14473 Potsdam --

0049-0331-288-1607 (fax) --

[bib@gfz-potsdam.de](mailto:bib@gfz-potsdam.de)

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## **4. Job opportunities and Post-doc grants**

### **JOB VACANCY**

#### **DIRECTOR OF THE INTERNATIONAL SEISMOLOGICAL CENTRE**

The Governing Council of the International Seismological Centre plans to appoint a new Director of the Centre, to take up the post on or before 1st January 2008. The ISC collects measurements related to earthquakes and other seismically detected events all around the world, re-analyses source parameters for selected events and publishes a comprehensive summary of parametric seismic data. The ISC is a non-governmental organization working in co-operation with UNESCO and IASPEI and is funded principally by direct contributions from agencies of more than 40 national governments.

The Director oversees a small staff for both routine operations and development at the ISC. He or she ensures that requirements for continued funding of the ISC are fulfilled and the ISC policies, decided at the Governing Council's biennial meetings are implemented. The Director and an Executive Committee meet annually to formulate alternatives that are the basis for the Council's policy decisions. The Director develops provisional new services in co-operation with other data centres and prepares proposals for joint projects with academic seismologists.

Salary and conditions will be consistent with the UK academic scales and include a generous contributory pension scheme. Assistance with travel expenses and with securing living accommodation will be provided. The appointment will be for an initial period of 4 years with the potential for extension.

The ISC has modernised its data management to support more complete collection, more efficient analysis and more effective distribution of data. There is need for ongoing improvement in these areas but the Governing Council is also

looking to use new seismological algorithms to improve results from the ISC's own re-analysis.

The ISC is located in Thatcham, a rural village about 50 km from its home institution, the University of Oxford, which has world-renowned programmes in seismology and tectonics. Thatcham is one hour by rail from London, where Imperial College has a strong programme in earthquake hazard and engineering. ISC development projects can also be undertaken in collaboration with seismologists at other universities, at the British Geological Survey and at AWE Blacknest which is just a few kilometres from the ISC.

Applications should be sent by 14 May 2007 to the ISC administrator, Mrs. M Aspinwall, ISC, Pipers Lane, Thatcham, Berkshire, RG19 4NS, UK. Email applications (admin@isc.ac.uk) should include contact details for two referees in plain text. The applicant should supply a 1-2 page outline of their vision for the ISC, together with what they would hope to achieve during their appointment. General information about the ISC is available at [www.isc.ac.uk](http://www.isc.ac.uk). For further information about selection criteria please contact Governing Council chairman, Dr John Adams at [jadams@nrcan.gc.ca](mailto:jadams@nrcan.gc.ca) or +1 613995 5519 or Executive Committee chairman, Dr Gary Gibson at [eqinfo@ozemail.com.au](mailto:eqinfo@ozemail.com.au) .

### **Executive Secretary of the European Geosciences Union (EGU)**

Over the last 20 years we together established the EGU and Copernicus, the foremost geosciences union in Europe with well attended general assemblies, currently 19 journals, most of them using the open access format, and a substantial outreach and educational program, and a professional yet inexpensive congress organizer and scientific publisher, which is currently the number two in open access publishing worldwide. The way was sometimes rather stony but we finally achieved something together we can be proud of.

Now, it is time to hand the torch over to a younger and eager colleague to carry on the work from strength to strength. Martin Rasmussen has become the Executive Director of Copernicus. Now we are looking for a new Executive Secretary for the EGU. I am sure that I can count on your support for both the EGU and Copernicus.

Download [egu\\_advertisement\\_of\\_a\\_vacancy.pdf](#):

<http://www.cosis.net/members/mailtool/download.php?id=298>

Applications should be sent directly to me by 1 September 2007 at the latest.

Arne Richter

EGU Executive Secretary

[arne.richter@copernicus.org](mailto:arne.richter@copernicus.org)

### **Open permanent position at the European Center for Geodynamics and Seismology (ECGS)**

Applicants must hold a PhD degree in geophysics or a related discipline. The candidate should have experience in instrumentation and geophysical data processing.

The successful candidate will be encouraged to develop his/her own research projects in relation with the ECGS objectives that is "geodynamics research related to the study of tectonics distortions in connection with earthquakes, with a particular emphasize on space techniques".

**The candidate will:**

- Contribute to the maintenance of instruments installed in the Walferdange Underground Laboratory for Geodynamics;
- Maintain and improve the Luxembourg seismic network and contribute to the exploitation of the seismic data;
- Assist in the organisation of the "Journées Luxembourgeoises de Geodynamique" and ECGS annual workshops;
- Contribute to field campaigns related to ECGS supported projects;
- Contribute or develop scientific projects in the interest of the ECGS.

The position is open immediately, but preferably no later than September 1st 2007.

Applications (short cover letter, CV and statement of research interest) should be submitted before June 13th 2007 to:

Eric Buttini, ECGS secretary, ebuttini@ecgs.lu

**The University of Edinburgh  
School of GeoScience  
Two Research Associates in Statistical Geophysics**

Two statisticians or statistical geophysicists are required to quantify and determine the significance of correlations in time series for earthquakes and subsurface fluid flow, funded by three major research projects: EU 'TRIGS'; EU 'NERIES', and UK DTI 'RESURGE'. In these projects we are interested in quantifying the response of the Earth to perturbations in stress, either natural or man-made, with a view to being able to predict this response more accurately and reliably. You will use state of the art statistical correlation and regression techniques to quantify this response, with a view to understanding and predicting the response of the Earth to stress changes of different types. You will have rigorous experience of multivariate regression and a good understanding of Bayesian methods. Previous experience of geophysical time series analysis would be useful although not a requirement. Applications are welcome at both postgraduate and post-doctoral level, with the former being eligible to register part-time for PhD study.

The appointment is from 1 April 2007 to 31 May 2009.

Salary scale: Grade 6: £22,111-£25,633

Informal enquiries to Professor Ian Main,

telephone +44 (0) 131 650 4911;  
Email [ian.main@ed.ac.uk](mailto:ian.main@ed.ac.uk).

Further particulars, including details of the application procedure, can be obtained from <http://www.jobs.ed.ac.uk/>

## **PostDoctoral Fellowship and Two PhD studentships at the Dublin Institute for Advanced Studies, Ireland**

### **1: PICASSO**

The Program to Investigate the Cause of the Alboran-Atlas System convective Overturn (PICASSO) project is a multi-national, multi-disciplinary initiative to explore the structure and evolution of the Betics-Alboran-Atlas orogen in order to develop understanding of the lithospheric processes that resulted in the present day geodynamic scenario of southern Iberia and northern Morocco. PICASSO is a pilot project to EuroArray, which is itself an integral component of TOPO-Europe.

The primary role that DIAS will play in PICASSO is undertaking regional-scale magnetotelluric imaging, in collaboration with colleagues at the Universities of Barcelona, Granada, and Lisbon, and at Moroccan institutions. Through funding being provided by Science Foundation Ireland and the Dublin Institute for Advanced Studies, a second PostGraduate PhD studentship based at DIAS is available to work on PICASSO. The studentship is to be taken up in September, 2007. Fieldwork will involve acquisition along principally a 900 km long NS profile from Madrid to the Atlas mountains, plus other shorter targeted profiles, with the Spanish leg to take place in September-November, 2007 and the Moroccan leg to take place in September-November, 2008. The two PICASSO students are expected to be in the field for up to five months in total. The student will be involved in all aspects of the project, with the main focus of the research intended to be construction of lithospheric models incorporating not only the MT data and models but also information from the other geosciences, particularly seismology. The student will receive a stipend of 16,000 Euros per annum, plus university fees, for three years.

Applicants should have excellent grades with preferably strong physics and computing skills, and be comfortable with geology and tectonics. The fieldwork will be demanding, and a valid driving licence, good physical fitness, robust health, and knowledge of first aid are all essential. Prior knowledge of electromagnetic methods is an asset, as is a working knowledge of Spanish or Arabic.

Applicants for the studentship position should send an e-mail containing a full and complete academic CV, a statement of research interests, English proficiency certification, and the names of 3 academic referees to: Professor Alan Jones ([alan@cp.dias.ie](mailto:alan@cp.dias.ie)), Dublin Institute for Advanced Studies, 5 Merrion Square, Dublin 2, Ireland, to arrive not later than **30th June, 2007**.

Interviews will take place in late July in Dublin.

Applications that are incomplete will be discarded without response.

For more information please contact Alan Jones.  
More information about the PICASSO project can be found at:  
<http://wija.ija.csic.es/gt/rc/HTML/PRJ/indexPICASSO.html>

## **2: Joint Inversion**

Under funding provided by Science Foundation Ireland, there are two positions available at the Dublin Institute for Advanced Studies to undertake research in joint inversion of seismic and electromagnetic data using non-linear methods. One position is for a PostDoctoral Fellowship, to commence in early-2008, and the other is for a PhD studentship, to commence in September, 2007. The objective of the research is to develop novel, non-linearised, multi-dimensional techniques for jointly inverting teleseismic and magnetotelluric data probing the continental lithosphere, particularly to obtain anisotropy information. This work will build on and extend the 1-D genetic algorithm inversion of receiver function (RF) and MT data by Moorkamp, Jones and Eaton, and will be done in conjunction with Professor David Eaton (University of Western Ontario, Canada). The work will be undertaken at DIAS, with annual visits to Eaton's laboratory. The research will use existing seismic and MT data from Canada, South Africa, U.S.A., and elsewhere.

The student will receive a stipend of 16,000 Euros per annum, plus university fees, for three years. Applicants must have excellent grades with strong physics, mathematics and computing skills.

Applications for the studentship position should send an e-mail containing a full and complete academic CV, a statement of research interests, English proficiency certification, and the names of 3 academic referees to:  
Professor Alan Jones ([alan@cp.dias.ie](mailto:alan@cp.dias.ie)), Dublin Institute for Advanced Studies, 5 Merrion Square, Dublin 2, Ireland, to arrive not later than **30th June, 2007**.

Interviews will take place in late-July in Dublin.

Applications that are incomplete will be discarded without response.

The Fellow will receive a salary of initially 41,038 Euros, rising to 47,874 Euros for the last six months of the two year period of the fellowship. Applicants for the Fellowship position must have a geophysics doctorate in either electromagnetic (preferably magnetotellurics) or passive seismic techniques. That position will be formally advertised later this year, with a likely closing date of the competition of 31st August and a start date in early 2008. At this time expressions of interest should be sent to Alan Jones.

## **Post-doctoral position at the Institute of Geophysics, ETH Zurich**

The Seismology group at the Institute of Geophysics, ETH Zurich, is planning to open a postdoctoral position. The main focus of this three-year's position is site effect evaluation from observations and by numerical modeling, the development of new field investigation techniques and the application of the methods in the Valais and Basel area, Switzerland.

The work is part of an interdisciplinary research program covering seismic hazard assessment, microzonation studies including non-linear phenomena, vulnerability analysis of buildings, and earthquake damage and risk scenarios for Switzerland. The Seismology group includes the Swiss Seismological Service, which is responsible for the earthquake monitoring in Switzerland.

Candidates should have a PhD in geophysics or engineering, with experience in wave propagation modeling, and/or estimation methods for microzonation. The candidate will be expected to perform field experiments, to take part in the undergraduate teaching, to follow graduate students, and to contribute to the work at the Swiss Seismological Service. German and English are working languages in the research groups. The position is open for three years with the possibility for an extension.

Applications including research interests/projects should be sent to:

Dr. Donat Fäh,  
Institute of Geophysics,  
ETH Hoenggerberg,  
CH-8093 Zurich,  
Switzerland  
Tel: +41-44 633 2658  
E-mail: faeh@sed.ethz.ch

### **Postdoctoral/Senior Researcher Position at ETH**

The Applied and Environmental Geophysics Group at ETH (Swiss Federal Institute of Technology) has an immediate opening for a gifted young geophysicist at the post-doctoral or senior researcher level. The appointment will be for an initial period of two years with the possibility of renewal for a further two-year period. Preference will be given to applicants with expertise and interest in reflection seismology. The successful candidate will be expected to: (i) initiate and conduct his/her own research projects, (ii) co-supervise undergraduate- and graduate-level thesis projects, and (iii) contribute to the teaching of applied, engineering and environmental geophysics courses. Furthermore, he/she will participate in the teaching of a recently launched joint MSc degree in Applied Geophysics with colleagues at the Technical University of Delft (TUD) and the Aachen University of Technology (RWTH). Good knowledge of English is essential and it would be an advantage, although not essential, to have a working understanding of German. At the time of appointment, the successful candidate must have a doctoral degree in geophysics or a related subject.

To apply please post or email your resume together with the names, telephone numbers and email addresses of two referees to Professor Alan G. Green, Institute of Geophysics, ETH-Zürich, CH-8093, Zürich, Switzerland, green@aug.ig.erdw.ethz.ch.

Deadline for receipt of applications is July 31, 2007.

**Comision de puestos (vacants commission)  
OVSICORI-UNA, Costa Rica**

## **announces 2 positions to work in Costarrican volcanoes.**

Details (english and spanish) can be retrieved from our web page.

[http://www.ovsicori.una.ac.cr/informacion\\_general/plazas.htm](http://www.ovsicori.una.ac.cr/informacion_general/plazas.htm)

1. Physical Volcanology (Field Volcanology).

**[http://www.ovsicori.una.ac.cr/informacion\\_general/files/PhysicalVolcanology.pdf](http://www.ovsicori.una.ac.cr/informacion_general/files/PhysicalVolcanology.pdf)**

2. Volcano Seismology.

**[http://www.ovsicori.una.ac.cr/informacion\\_general/files/VolcanoSeismology.pdf](http://www.ovsicori.una.ac.cr/informacion_general/files/VolcanoSeismology.pdf)**

We invite applicants to fill this vacant on a two year basis (annual contracts) After the third year it will be a tenure-track faculty position. This position will be available after all applications are received and screened by a selection panel. A virtual interview (precandidates only) might be necessary. The Observatorio Vulcanológico y Sismológico de Costa Rica (OVSICORI- UNA) is a research institute in charge of daily volcano and seismic monitoring. Affiliated to Universidad Nacional it counts with a new building, fully equipped with a seismological network, a geochemical lab and other related facilities. Selected applicants will be asked to provide a CV containing two references from academic advisors and/or prior positions. Copy of university diplomas and grade information will be requested when required.

Required qualifications: M.Sc or PhD in Geology. Students attending final requisites to obtain their PhD will be considered.

This position will involve a large field work component, thus applicants should be fit and in good health. Good communicative skills are important to transfer science to non-scientists.

Reception of applications will be open from May 29 , 2007 to June 30, 2007.

The screening commission will select pre-candidates after the last day of document reception.

Results will be communicated within 30 days after selection.

Physical address:

Observatorio Vulcanológico y Sismológico de Costa Rica, Campus Omar Dengo  
Heredia

Office hours: 8:00 a 12:00 y de 1:00 a 5:00 p.m. (Costa Rica time GMT-6)

P.O. Box: 2346-3000 Heredia, Costa Rica. América Central.

email: [puestos @una.ac.cr](mailto:puestos@una.ac.cr)

Teléfono 562 4001- 261 06 11

Fax (506) 261 0303



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## **5. FORTHCOMING MEETINGS (JUNE-DECEMBER 2007, 2008)**

### **Workshop on 'Earthquakes: Ground-based and Space Observations' June 1-2 , 2007, Space Research Institute, Schmiedlstrasse 6, A-8042 Graz, Austria.**

Seismic electromagnetic precursors are intensively investigated since almost two decades using principally the ground-based observations. For the first time in Europe, a mission is entirely devoted to the study of earthquakes. The DEMETER micro-satellite provides the new opportunity to study from space such phenomena.

Within the framework of the European Planetology Network, we organise a strategic workshop with the aim to discuss common seismic events observed from ground stations and from space by DEMETER micro-satellite. These case studies lead to focus on the observational aspects and the new implemented techniques and methods of investigations.

Website: <http://euro-seismic.oeaw.ac.at>

### **Subduction Zone Geodynamics Conference - SEDI Montpellier, France 4-7 June 2007**

The conference will focus on recent developments in subduction zone dynamics, covering the themes of Geodynamics & physical models, Seismogenic zone & Seismic hazard, Tectonics (active margins & back-arc basins), Geochemistry (subduction factory & magmatism), Petrology, metamorphism & Mineral Physics. Venue: Le Corum International Conference Centre in Montpellier, France, situated in downtown Montpellier.

Contact person: Francesca Funicello <[ffunicie@uniroma3.it](mailto:ffunicie@uniroma3.it)> and Serge Lallemand ([lallem@dstu.univ-montp2.fr](mailto:lallem@dstu.univ-montp2.fr))

Website: <http://www.dstu.univ-montp2.fr/SUBCO/>

### **EAGE Workshop on Joint Geophysical Inversion Methods For Subsurface Characterisation**

**11 June 2007, London, UK**

Contact person: Max Meju

Department of Environmental Science, Lancaster University

[m.meju@Lancaster.ac.uk](mailto:m.meju@Lancaster.ac.uk)

### **ILP conference**

12-13 June 2007, GFZ Potsdam, Germany

This conference is our contribution to the "International Year of Planet Earth".

You are invited to participate and inform interested colleagues.

Website:

[http://www.scl-ilp.org/fileadmin/SCLILP/user\\_upload/pdf/news/ILP-Flyer2.pdf](http://www.scl-ilp.org/fileadmin/SCLILP/user_upload/pdf/news/ILP-Flyer2.pdf)  
Contact persons: Sierd Cloetingh <cloeting@geo.vu.nl>, Jörg Negendank <neg@gfz-potsdam.de> and Jörn Lauterjung <lau@gfz-potsdam.de>

**4th International Conference on Geotechnical Earthquake Engineering  
June 25-28, 2007, Thessaloniki, Greece**

The Technical Committee of Earthquake Geotechnical Engineering of the International Society of Soil Mechanics and Geotechnical Engineering, the Hellenic Scientific Society of Soil Mechanics and Geotechnical Engineering and Aristotle University of Thessaloniki, are very pleased to invite you to join us in the 4th International Conference on Geotechnical Earthquake Engineering in Thessaloniki on June 25-28, 2007.

More about 4icege we invite you to visit the web page of the conference:

**<http://www.4icege.org>**

We are sure that you will find participation in **4ICEGE** professionally rewarding, scientifically stimulating and personally enjoyable and look forward to meeting you in Thessaloniki in June 2007.

Kyriazis Pitilakis, *Chairman of 4ICEGE*, <secretariat@4icege.org>

**International Training course on "Array Seismology"**

**June 30 - July 3, 2007, Arezzo, ca. 75 km NW of Perugia (Italy)**

Organized in the framework of the IUGG/IASPEI 2007 General Assembly and endorsed by the IASPEI Commission on Education and Outreach Program:

- Introduction to the Seismic Handler software
- Beamforming/fk analysis of teleseismic, regional and local events
- Array analysis for site effect studies

The course consists in introductory lectures on theory, applications and in practical exercises. The participants should be familiar with linux and are invited to bring their own (linux!)notebooks.

Contact person: Thomas Braun, INGV <braun@ingv.it>

**24th IUGG General Assembly, Perugia (Italy)**

**2-13 July 2007, Perugia (Italy)**

**Website: <http://www.iugg2007perugia.it/>**

**IUGG Contact person: LOC <secretary@iugg2007perugia.it>**

**IASPEI Contact person: Peter Suhadolc <suhadolc@units.it>**

**International Symposium on**

**"Paleomagnetism and the Earth's Deep Interior: Unsolved Problems and Future Challenges"**

**5-8 July 2007, Beijing, China**

Institute of Geology and Geophysics, Chinese Academy of Sciences, Beijing  
Supported by National Natural Science Foundation of China and Chinese

Academy of Sciences.

Topics will include the behaviour of the Earth's ancient and current magnetic fields, the methodologies and theories of paleomagnetic studies, the dynamics of the Earth's deep interior, interactions of the core and lower mantle and the theories and numerical simulations of the Earth's dynamo.

Website: <http://www.paleomag.net/meeting>.

The abstract and registration deadline: 1 April 2007.

There will be no registration fee.

### **ENGINEERING NATURE 2007**

#### **First International Conference on the Art of Resisting Extreme Natural Forces**

**11–13 July 2007, The New Forest, UK**

Website: <http://www.wessex.ac.uk/conferences/2007/engnature2007/1.html>

Contact person: Rachel Creasey

Email: [rcreasey@wessex.ac.uk](mailto:rcreasey@wessex.ac.uk) or Fax: + 44 (0) 238 029 2853

### **3rd International conference on Scale-Frequency Phenomena - the "Rainbow in the Earth" meeting**

#### **INTERPRETING RESERVOIR ARCHITECTURE USING SCALE-FREQUENCY PHENOMENA**

**29 July - 1 August 2007, Edinburgh, UK.**

The formal title is "Frequency-Dependent Geophysical Properties", but any paper concerned with rock physics, scale in general, attenuation, dispersion, anisotropy or a related field will be very welcome. We hope to have papers on theoretical, laboratory and field studies, as well as papers on both seismic and EM methods. We'd like to invite papers, of no more than two pages in length, before the 30th April.

Website: [http://www.eap.bgs.ac.uk/rainbow2007/rainbow\\_workshop.doc](http://www.eap.bgs.ac.uk/rainbow2007/rainbow_workshop.doc)

Contact person: Mark Chapman, [mhch@bgs.ac.uk](mailto:mhch@bgs.ac.uk)

### **4th AOGS Annual Meeting**

**30 July - 4 August 2007, Bangkok, Thailand**

Website: <http://www.asiaoceania.org/aogs2007/>

### **Progress in Electromagnetics Research Symposium (PIERS2007)**

**27-30 August, 2007 in Prague, Czech Republic.**

General Inquiry to:

Professor Jan Vrba

Email: [vrba@fel.cvut.cz](mailto:vrba@fel.cvut.cz)

PIERS2007 Prague Committee

<http://piers.mit.edu/piers2k7Prague/>

<http://piers.org>

**International Workshop on Numerical Modeling of Mantle Convection and Lithospheric Dynamics**

**2-7 September 2007, Carry-le-Rouet, close to Marseille (France)**

Contact person: Stephane Labrosse <stephane.labrosse@ens-lyon.fr>

**ACADEMY OF SCIENCES OF UZBEKISTAN REPUBLIC  
REPUBLICAN SCIENTIFIC CONFERENCE  
"URGENT PROBLEMS OF GEOLOGY AND GEOPHYSICS"**

**September 4-6, 2007, Tashkent, Uzbekistan**

Kh.M.Abdullaev Institute of Geology and Geophysics

dedicated to seventieth anniversary of the Institute and ninety fifth anniversary of academician Khabib Abdullaev Texts of the reports will be collected in a Volume of the Transactions of the Conference, which will be distributed to all registered participants.

**Deadline for Reports – July, 15, 2007.**

Please, send it and Registered Form by e-mail or by post.

EXECUTIVE SECRETARIAT:

Smirnova Svetlana Konstantinovna

Shamaev Oleg Timofeevich

E-mail: [igg70y@mail.ru](mailto:igg70y@mail.ru)

**International Workshop in Mongolia  
Summer 2007**

The Department of seismology of the RCAG, Research Center of Astronomy and Geophysics - Mongolia ([www.rcag.url.mn](http://www.rcag.url.mn)) is organising, with my collaboration, a workshop in Mongolia during summer 2007. It is the conference of the 50 anniversary of Research Center of Astronomy and Geophysics with a field workshop commemorating the 1957 Gobi-Altai earthquake (magnitude 8.1).

You will find all the relevant information about the conference by visiting the congress web site :

<http://www.rcag.url.mn/seis/index.html>

This event is a great opportunity to bring together researcher interested by active deformation and seismology in continental areas. Also, it is a great opportunity for Mongolia to improve its international collaboration in the field of seismology and seismic hazard.

Contact person: Schlupp Antoine

Laboratoire de Tectonique Active

Ecole et Observatoire des Sciences de la Terre, Strasbourg

Email: [antoine.schlupp@eost.u-strasbg.fr](mailto:antoine.schlupp@eost.u-strasbg.fr)

**Workshop on Numerical Modeling of the Earthquake Source Dynamics,  
September 2-6, 2007, Smolenice Castle, Slovakia**

The sessions of the workshop will cover the following topics:

- friction law

- rupture history
- stress distribution on the fault
- role of heterogeneities
- energy budget and seismic radiation
- earthquake interaction
- numerical techniques
- modeling real earthquakes
- slow earthquakes

Second Announcement and Call for Abstracts: February 2007

Deadline for registration: 31 May 2007

Deadline for receiving abstracts: 30 June 2007

Third Announcement and Program: 31 July 2007

Contact persons: Andrej **Cipciar**, Miriam **Kristeková**

Email: NMESD2007@nuquake.sk

Website: <http://www.nuquake.eu/NMESD2007/>

2nd Announcement:

[http://www.nuquake.eu/NMESD2007/NMESD2007\\_2nd\\_Ann.pdf](http://www.nuquake.eu/NMESD2007/NMESD2007_2nd_Ann.pdf)

**XVII International Conference on Electromagnetic Disturbance (EMD'2007)  
19 to 21 of September, 2007, Białystok, Poland.**

The aim of the EMD Conferences is to create a forum for presentations and discussions about sources of electromagnetic disturbances, their influence on electronic devices and systems, and protection against them.

Technical Areas of Conference:

- .. Sources of electromagnetic disturbances
- .. EMD emission and susceptibility
- .. Measurements and simulation of disturbances
- .. EMD in wire and radio communication
- .. EMD in power systems, power quality
- .. Disturbances in electronic equipment
- .. EMD in control and measurement systems
- .. High voltage equipment reliability at EMD
- .. Lightning and overvoltage protection
- .. EMD standards and testing
- .. Grounding and equipotential bonding
- .. Shielding techniques
- .. System design for EMD
- .. Practical problems of EMD protection
- .. EMD education
- .. Intended EMD

Website: <http://we.pb.edu.pl/emd2007>

Persons planning to attend the conference are asked to complete the registration form

(<http://we.pb.edu.pl/emd2007/reg.html>) and submit it to the Organizing Committee.

Contact person: Prof. Andrzej Sowa, <[andrzej.sowa@ochrona.net.pl](mailto:andrzej.sowa@ochrona.net.pl)>

**Interdisciplinary Symposium on the subject “Natural cataclysms and global problems of modern civilization”.**

**24-27 September, 2007, Baku, Azerbaijan**

The founders of the Symposium:

- Ministry on Emergency Situations of Azerbaijan;
- International Academy of Science ( International Council for Scientific Development ( Austria, Innsbruck);

Scientific Coordinators of the Symposium:

- Azerbaijan Section of International Academy of Sciences;
- Pakistan Academy of Science;

Sections of the Symposium:

- Lithosphere, Hydrosphere, Atmosphere and Space;
- Biosphere;
- Technosphere;
- Noosphere.

In the Organizational and Scientific Committee are represented the leading scientific representatives of more than 30 countries of the world.

Website: [www.ias-symposium.org](http://www.ias-symposium.org)

**3DEM-4: Fourth Quadrennial Symposium on Three-Dimensional Electromagnetics, 'New Horizons'**

**Sep 27 - 30, 2007, Freiberg, Germany.**

Organised by the Gerald W. Hohmann Memorial Trust for Research and Teaching in Applied Geophysics and the TU Bergakademie Freiberg, Germany

Contributions are invited for poster and oral presentation in the areas of 3D EM modeling, inversion, and application relating to earth science. Equations are most welcome. We emphasize the character of a workshop. Therefore, we encourage presentations of work in progress. We intend to have open discussions after the talks. Poster sessions will be given a large room to underline their importance. Short oral poster introductions are possible.

Extended abstracts should be two to four pages in length including figures. Deadline for submission is May 31, 2007. The committee intends to publish an extended abstract book, which is handed out to the participants at arrival. Details will be provided in the 2nd circular in March 2007.

Participants of 3DEM-4 are encouraged to take part in the German Colloquium of Electromagnetic Depth Research organized by Dr. Josef Pek and co-workers, which will take place from Oct 1 - 5, 2007 in Decin/Czech Republic only 100 km away from Freiberg. Shuttle buses will be organized. There will be a web site for this soon.

In order to get a first overview of the number of expected participants, please send an e-mail with the subject line '3DEM-4' as soon as possible to [klaus.spitzer@geophysik.tu-freiberg.de](mailto:klaus.spitzer@geophysik.tu-freiberg.de) indicating

Current information on the technical program, travel and activities can be found at <http://www.geophysik.tu-freiberg.de/3dem4>

We realize this meeting comes closely after the SEG annual meeting in San Antonio, U.S.A. (Sep 23-27). Flights to Dresden (DRS) arrive ~24 hours after U.S. departure, in terms of local time. Thus, U.S. departure would be during the time for post-session workshops of the SEG (Sep 26-27), for those considering attendance at both meetings. For flights arriving DRS early Sep 28, it is possible that shuttles to the 3DEM-4 could be arranged. Please let the organizers know of interest in this.

Contact person: Prof. Dr. Klaus Spitzer  
E-Mail: [klaus.spitzer@geophysik.tu-freiberg.de](mailto:klaus.spitzer@geophysik.tu-freiberg.de)  
Internet: [www.geophysik.tu-freiberg.de](http://www.geophysik.tu-freiberg.de)

**9th Workshop on Non-Linear Dynamics and Earthquake Prediction  
1- 13 October 2007, Abdus Salam International Centre for Theoretical  
Physics - Trieste, Italy**

ICTP Home Page: <http://www.ictp.it/>

Contact person: Ms. G. De Meo <[smr1864@ictp.it](mailto:smr1864@ictp.it)>

**8th workshop on Alpine geological studies  
October, 10-12, 2007, Davos, Switzerland**

The meeting focuses particularly on the alpine orogens (Alps, Carpathians, and Dinarides) but covers various aspects of mountain building in general. We plan to hold eight sessions with oral and poster presentations:

1. From subduction to collision (key-note speaker: Onno Oncken, Potsdam).
2. Present-day Alps: Neotectonics and big tunnels (Rainer Brandner, Innsbruck).
3. Speed of tectonic and metamorphic processes and the role of HP/UHP metamorphic rocks (Alfons Berger, Bern).
4. Orogenic curvature and kinematics of the Alps-Carpathians-Dinarides system (Liviu Matenco, Amsterdam).
5. Alpine oceans: Rifting, break-up, spreading (Thorsten Nagel, Bonn).
6. Coupling of climate, uplift, erosion, and topography (Sean Willett, Washington).
7. Foreland and internal basins: What controls their evolution? (Francois Roure, Rueil-Malmaison).
8. Deep structure, lithospheric strength, and mantle dynamics (Edi Kissling, Zürich).

Also, there will be pre- and post-workshop field trips on October, 1st and October, 2nd (Totalp area and Tilisuna area respectively) and October, 6th to 7th (Lago-di-Como area). Please check our website

<http://www.geologie.uni-bonn.de/Alpshop07/>  
for further information.

If you are interested in coming to Davos, please send an unbinding preliminary registration to [alpshop07@uni-bonn.de](mailto:alpshop07@uni-bonn.de). Please pass this information to any interested colleagues. Thank you.

Contact person: Niko Froitzheim <[alpshop@uni-bonn.de](mailto:alpshop@uni-bonn.de)>

### **International Conference, PV 2007**

#### **Ensuring Long-term Preservation and Value Adding to Scientific and Technical Data**

**October 9-11, 2007, DLR Oberpaffenhofen/Munich, Germany**

After three very successful events, PV 2002 at CNES in Toulouse, France, PV 2004 at ESA/ESRIN in Frascati, Italy and PV 2005 at DCC in Edinburgh, UK, the conference series continues to address prospects in the domain of scientific and technical data preservation and value adding.

Website: [www.pv2007.dlr.de](http://www.pv2007.dlr.de)

Contact person: Eberhard Mikusch, E-Mail: [pv2007@dlr.de](mailto:pv2007@dlr.de)

### **NATO Advanced Research Workshop**

#### **"Natural Disasters and Water Security: Risk Assessment, Emergency Response, and Environmental Management"**

**October 18-22, 2007, Yerevan, Armenia.**

For all questions regarding participation, program, deadlines, etc., please, contact ARW Co-Directors:

NATO-Country Co-Director

Professor Anthony Jones, UK

[jaj@aber.ac.uk](mailto:jaj@aber.ac.uk)

Partner-Country Co-Director

Dr. Trahel Vardanian, Armenia

[tvardanian@ysu.am](mailto:tvardanian@ysu.am)

### **Managing Waveform Data and Related Metadata for Seismic Networks**

**October 21-26, 2007, Petaling Jaya Hilton, Kuala Lumpur, Malaysia**

Introduction

The Incorporated Research Institutions for Seismology (IRIS) Data Management System (DMS)

is organizing a workshop focused on the management of metadata and time series data from

seismological networks. This is the third workshop in the series and this workshop focuses on networks in the Indian Ocean and SE Asian regions. The goal is to enable open data sharing and exchange of ideas between networks in the focus area as well as with the broader global seismological community.

Scope

This workshop is a major attempt to share experience and expertise in seismological data



management. It is directed at managers and operators of seismic networks. We shall provide training in the application of advanced database management systems, educate participants on the scientific developments that form the basis of modern seismometry, and give a short introduction to modern methods of analysis possible with the current advanced instrumentation and databases. We expect participants to come away from the workshop with all the necessary knowledge to set up and maintain their own database and to link their network to the growing global network for data access. Network managers are encouraged to make a brief presentation on their network.

Topics

- Broadband and Intermediate Period Portable Experiments
- Station Siting
- Station Design
- Basic Electronics of Modern Feedback Seismometers
- Concept of Poles and Zeroes to Describe Instrument Responses
- Digitization and finite Formats such as SEED
- Data Handling
- Real Time Data Exchange
- Data Quality Control
- Practical Moment Tensor Determinations

There will be no registration fee. Further, financial support is available from different sources including IRIS and IASPEI.

Website: <http://www.iris.edu/workshops/2007/metadata/index.htm>

**3rd International conference on Science and Technology for Safe Development of Lifeline Systems - Natural risks: Progress on seismic and geotectonic modeling across CEI territory and implications on preventing and mitigating seismic risk**

**October 24-26, 2007, Bucharest, Romania**

Contact person: Mircea Radulian <[mircea@infp.ro](mailto:mircea@infp.ro)>

Web site: <http://infp.infp.ro/workshops/CEI/index.html>

**International Scientific Conference to mark the 50th Anniversary of the Founding of the Geophysical Observatory of Addis Ababa University  
November 1-4, 2007, Addis Ababa, Ethiopia**

Enquiries:

50th Anniversary Celebrations Organizing Committee

Geophysical Observatory, Faculty of Science, Addis Abeba University

P. O. Box 1176, Addis Abeba, Ethiopia

Tel.: ++251 11 1223934

Fax: ++251 11 1239469

E-mail: [50thani@geobs.aau.edu.et](mailto:50thani@geobs.aau.edu.et)

**IWSEP2007**

**"International Workshop on Seismo Electromagnetic Phenomena: Recent Progress"**

**November 6-7, 2007, Bandung, Indonesia.**

Conference Website;  
<http://www-es.s.chiba-u.ac.jp/geoph/ulf/iwsep2007/index.html>  
Contact person:  
Dr. Katsumi Hattori  
Department of Earth Sciences,  
Faculty of Science, Chiba University  
Yayoi 1-33, Inage, Chiba, 263-8522, Japan.  
TEL: +81-43-290-2801 / FAX: +81-43-290-2859  
email: [hattori@earth.s.chiba-u.ac.jp](mailto:hattori@earth.s.chiba-u.ac.jp)  
email: [khattori@faculty.chiba-u.jp](mailto:khattori@faculty.chiba-u.jp)

**International Symposium on Geotechnical Engineering, Ground Improvement and Geosynthetics for Human Security and Environmental Preservation**

**6-7 December 2007, Miracle Grand Convention Hotel, Bangkok, Thailand**

Organized by: Southeast Asian Geotechnical Society (SEAGS), International Geosynthetic Society Thailand (IGS-Thailand) and Asian Center for Soil Improvement and Geosynthetic (ACSIG) on

This International Symposium is supported by the International Geosynthetics Society (IGS) and the Technical Committee of the International Society of Soil Mechanics and Geotechnical Engineering, TC4 and TC39.

This Symposium will serve as a forum for the geotechnical profession as a whole, and, in particular those who are involved in disaster prevention, mitigation, rehabilitation, and construction works for human security. In addition, this Symposium will encourage research activities as well as promote environmental preservation. Enclosed please find the second bulletin of the Symposium.

Contact person:  
Prof. Dennes T. Bergado, Director of ACSIG  
SEAGS Secretary-General  
IGS-Thailand President  
E-mail: [igs-thailand@ait.ac.th](mailto:igs-thailand@ait.ac.th)

**The 8th Pacific Conference on Earthquake Engineering  
Dec 2007, Singapore.**

Full details of the conference are to be found at the conference website  
<http://www.ntu.edu.sg/cee/8PCEE/>

**8PCEE - IMPORTANT DATES**

1 Feb 2007 : Deadline for abstract submission  
25 Mar 2007 : Notification of acceptance for abstracts  
Mid Jun 2007 : Deadline for paper submission  
1 Oct 2007 : Notification of acceptance for papers

**2008**

**The 27th IUGG Conference on Mathematical Geophysics  
June 15 – 20, 2008, Longyearbyen on Spitsbergen, Norway**

The theme of the meeting is Dynamics in Earth Systems. All researchers using quantitative methods to study evolving Earth systems are invited. Studies that integrate field observations, laboratory experiments and theoretical models are especially welcome. Particular focus will be given to physical problems where new quantitative theories offer the possibility of significant progress in our understanding of environmental processes. These problems include fracture, ranging from ice sheets to earthquakes; geophysical fluid dynamics, ranging from internal and surface flows to oceanic and atmospheric dynamics; and physical aspects of the Earth's biological, chemical, and climatic evolution.

Contact: Hilde Lynnebakken, [hilde.lynnebakken@fys.uio.no](mailto:hilde.lynnebakken@fys.uio.no) .

**12th IACMAG conference**

**GEOMECHANICS IN THE EMERGING SOCIAL & TECHNOLOGICAL AGE**

**October 1-6, 2008, Goa, India**

**[www.12iacmag.com](http://www.12iacmag.com)**

We are happy to inform you that Call for Abstracts for the **12th conference of International Association for Computer Methods and Advances in Geomechanics** has been posted at **[www.12iacmag.com](http://www.12iacmag.com)**

**14th World Conference on Earthquake Engineering (14WCEE)**

**October 12-17, 2008, Beijing, China**

Secretariat: c/o Chinese Association of Earthquake Engineering  
9 Xuefu Road, Harbin 150080, China

Tel: +86-451-86652900

Fax: +86-451-86652651

Email: [secretariat@14wcee.org](mailto:secretariat@14wcee.org)

URL: <http://www.14wcee.org>

<http://www.14wcee.com>

<http://www.14wcee.net>