



International Association of Geodesy

Newsletter

August 2007

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The *IAG Newsletter* is under the editorial responsibility of the *Communication and Outreach Branch* (COB) of the IAG.

It is an open forum and contributors are welcome to send material (preferably in electronic form) to the IAG COB (newsletter@iag-aig.org). These contributions should complement information sent by IAG officials or by IAG symposia organizers (reports and announcements). The *IAG Newsletter* is published monthly. It is available in different formats from the IAG new internet site: <http://www.iag-aig.org>

Each *IAG Newsletter* includes several of the following topics:

- I. news from the Bureau Members
- II. general information
- III. reports of IAG symposia
- IV. reports by commissions, special commissions or study groups
- V. symposia announcements
- VI. book reviews
- VII. fast bibliography

Books for review are the responsibility of:

C.C Tscherning
University of Copenhagen
Dept. of Geophysics
Copenhagen, Denmark
Fax: +45 35365357
E-mail: cct@gfy.ku.dk

General Announcements

In Memoriam Prof. István Joó

We have the painful duty to inform you that Prof. István Joó, Fellow of the International Association of Geodesy died unexpectedly on Sunday morning, 5th of August 2007. His obituary will be published in a future IAG Newsletter.

IAG COB

Revised Proceedings Order Form – IUGG 2007 Perugia

*International Association of Geodesy, Central Bureau
Copenhagen, July 13, 2007.*

As usual Proceedings will be published in the Springer IAG Proceedings Series. The chief editor will be the new IAG President, Professor M.Sideris, University of Calgary.

Manuscripts should be sent by e-mail as a pdf-file attachment to the convenors, following the instructions found in http://www.gfy.ku.dk/~iag/proc_instructions07.htm

GS001: H.Drewes, e-mail: drewes@dgfi.badw.de

GS002: C.Jekeli, e-mail: jekeli.1@osu.edu

GS003: V.Dehtant, e-mail: veroniq@oma.be

GS004: C.Rizos, e-mail: c.rizos@unsw.edu.au

GS005: M.Rothacher e-mail: rothacher@gfz-potsdam.de

The deadline for submitting the manuscript is **September 1, 2007**. The page-limit is 8 pages.

The revised **order form** for ordering the proceedings at a discount price can be found both as a PDF-file and as a MS Word document at

http://www.gfy.ku.dk/~iag/orderform_rev1.pdf

http://www.gfy.ku.dk/~iag/orderform_rev1.doc (MS Word)

Please mail the signed order form as an attached PDF-file to iag@gfy.ku.dk before **September 1, 2007**.

Press release on latest quality geomatics titles

Applications of 3D Measurement from Images

Edited by John Fryer, Harvey Mitchell, Jim Chandler

This outstanding new book which demonstrates the vast range of measurement tasks that can be accomplished, and at a variety of scales, using modern photogrammetric methods will be of great interest to readers.

ISBN 978-1870325-69-1234 X 156 mm 312pp liberally illustrated with a 24pp colour section and DVD £70
August, 2007

Principles of Geospatial Surveying

Dr. Arthur L. Allan

The handbook for a thorough understanding of the principles of modern geospatial surveying techniques. This important new book replaces the author's highly successful Practical Surveying and Computations and has been completely recast to accord with modern practices of geospatial surveying.

ISBN 978-1904445-21-00 234 × 156mm softback illustrated c.472pp c.£50 **September, 2007**

Datums and Map Projections, 2nd edition

Jonathan Iliffe, and Roger Lott

While retaining the benefits of the first edition this new edition, now with a very experienced co-author, will maintain the book's reputation as the ideal guide to the subject for years to come.

Geodesist position – National Geodetic Survey at NOAA

Geodesist – Silver Spring, MD

Position Description

Support the Gravity Group within the National Geodetic Survey at NOAA. Will work with gravity field modeling and geoid computation.

Required Skills

Two years experience in geodetic gravity field modeling and geoid computation. Prefer experience processing GPS/INS, airborne gravity data, time-varying gravity and temporal geoid change modeling. Prefer experience with High-Performance FORTRAN.

Education

Graduate education in geodesy, earth gravity field monitoring and geoid computation. Ph.D. preferred.

Submit Resume To: careers@ertcorp.com

ERT is an equal opportunity employer.

DORIAN L. SHUFORD
Earth Resources Technology, Inc.

Full Professorship in 'Engineering Geodesy'

Announcement of an open permanent position at the Institute of Geodesy and Geophysics, Faculty of Mathematics and Geoinformation, Vienna University of Technology

The applicant is expected to have outstanding academic credentials and an excellent track record of scientific accomplishments in the field of Engineering Geodesy focussing on modern sensor systems including geodetic data analysis and optimization methods. The successful candidate will be expected to make a significant contribution to the institute's research output, to provide leadership for researchers and postgraduate students and to undertake an appropriate teaching and administrative load. Special consideration will be given to the applicant's ability and willingness to establish collaborations with institutions working in related fields of research and the demonstrated ability to attract external project funding.

Knowledge of German is not a precondition; however we expect a successful candidate to acquire a working knowledge of German.

The applicant must meet the following requirements:

- an Austrian or equivalent foreign terminal academic degree in the field under consideration,
- an outstanding academic track record in research and teaching,
- pedagogic and didactic skills,
- leadership abilities,
- international working experience in the field of research.

The closing date for applications is **September 14, 2007**.

The Vienna University of Technology is committed to increase female employment in leading scientist positions. Qualified female applicants are encouraged to apply and will be given preference when equally qualified. Handicapped persons with appropriate qualifications are also expressly encouraged to apply.

Applications including a detailed curriculum vitae, description of scientific objectives, list of publications (indicating peer reviewed papers) and copies of the five most outstanding publications of the applicant should be sent to the Dean of the Faculty of Mathematics and Geoinformation, Getreidemarkt 9, 1060 Vienna, Austria. In addition, a CD-ROM with the complete application records should be attached. The official German version of this announcement can be found in <http://info.tuwien.ac.at/dekzent/Ausschreibungen.html>.

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harald.schuh@tuwien.ac.at

Used cartographic equipment

Used Drumscanner / Filmplotter equipment from german / swiss cartographic departments / companies

manufacturer: Lüscher AG Switzerland

- | | |
|---|--------------|
| 1. Lüscher LSP 220 -> scan/filmplot area: 2180 x 1180 mm | 28.000,- EUR |
| scan resolution 25 – 1600 dpi, build 1995, refurbished 1999, good condition | |
| 2. Lüscher LSP 120 -> scan/filmplot area: 1180 x 1180 mm | 32.000,- EUR |
| scan resolution 25 – 1600 dpi, build 1996, nearly new | |

warranty: 1 year for parts

Service: available by LaserScan Ltd Cambridge

ask for more infos: email-> Steinmann@print4gmbh.de

additional cost:

installation and training (5 days)	4.000,- EUR
packaging	1.600,- EUR
shipping / flight / hotel etc.	it depends
storage location: DE-72770 Reutlingen (nearby Stuttgart)	
owner/dealer: print4gmbh / Adolf-Kolping-Str. 7 / DE-72770 Reutlingen	
Tel: 07121 918 675 email: Steinmann@print4gmbh.de	
responsible: Norbert Steinmann	

NORBERT STEINMANN
print4gmbh, Reutlingen, Germany

Meeting Announcements

First International Summer School on Global Navigation Satellite Systems: A Worldwide Utility

2-9 September 2007, Berchtesgaden, Germany

This summer school will provide key information, fresh ideas, practical advice such as:

Satellite Navigation:

- History of GPS
- Basics of Satellite Navigation
- GNSS Under Development and Modernization
- Constellations and Orbit Determination

- Clocks in Satellite Navigation
- Frequencies, Signals and Signal Processing
- GNSS Receiver Technology
- Positioning & Navigation Algorithms and Processing
- GNSS Indoor Positioning
- GNSS/INS Sensor Fusion
- Perspectives of the Future

Business and System Engineering

- Introduction to Project Management
- Managing and Funding International Projects
- Seminar and Student Project Work/Competition

Applications of Satellite Navigation

- Aviation
- Marine
- Land
- Surveying

Registration is possible on <http://www.munich-satellite-navigation-summer-school.org>.

GEOSS in the Americas Symposium

Dear GEO Colleagues,

We are pleased to formally announce the GEOSS in the Americas Symposium, which will take place in *Magaratiba, Brazil on 17-19 September 2007*.

The purpose of the symposium is to increase understanding of GEOSS in the region, raise awareness about existing GEOSS in the Americas activities, strengthen partnerships, and advance a dialogue about opportunities,

capabilities, and requirements. Detailed information about the program, which will emphasize dialogue among experts from the region around specific aspects of GEOSS implementation, will be added in the coming weeks.

Hotel and registration information is now available on the following website.

http://www.dpi.inpe.br/GEOSS_Americas

For questions about the programme, please contact Peter Colohan at pcolohan@colohangroup.com. For questions concerning logistics and registration, please contact geoss_americas@dpi.inpe.br. We look forward to seeing you in Brazil in September.

THE GEO SECRETARIAT
WWW.EARTH-OBSERVATIONS.ORG

ILRS Workshop "Challenges for Laser Ranging in the 21st Century"

25-27 September 2007, Grasse, France.

The International Laser Ranging Service (ILRS) will conduct a workshop September 25-27 in Grasse France. The theme of the workshop is "Challenges for Laser Ranging in the 21st Century" and will cover topics such as:

- Upcoming scientific challenges for SLR
- Future developments and collaborations in station, operations, and analysis
- SLR technological challenges
- Projects, missions, and stations – tomorrow and the next decade

The workshop will be preceded with a meeting of the ILRS Analysis Working Group and will close with the ILRS General Assembly. More information about the workshop and the ILRS can be found at:

http://www.obs-azur.fr/gemini/ecoles_colloq/colloques/ilrs2007/index.php?lng=en
<http://ilrs.gsfc.nasa.gov>

The workshop is sponsored by the ILRS, Observatoire de la Cote d'Azur, CNES and Groupe de Recherche en Géodésie Spatiale (GRGS), Ville de Grasse and Poleazur Provence, CNRS and GEMINI/UMR. The local organizers look forward to welcoming attendees to southern France for the workshop as well as a tour of the Calern Observatory, home to the Grasse laser ranging systems.

CAREY NOLL
Secretary, ILRS Central Bureau.

“Scientific and Fundamental Aspects of the Galileo Programme”

2-4 October 2007, Toulouse, France.

An international colloquium on fundamental aspects and scientific applications of Galileo and GNSS will be held in Toulouse in October 2007. ANAE (Académie Nationale de l'Air et de l'Espace), Bureau des Longitudes, Académie de Marine and ESA (European Space Agency), are the main instigators of this colloquium meant to contribute to the 50th anniversary celebrations of the launch of Sputnik.

The colloquium will address three major issues:

- The fundamental aspects of navigation by satellites and Galileo: geodetic and temporal reference frames, relativistic frame, on board and ground clocks, orbits, radiative environment in orbit, intersatellite links, fundamental aspects of propagation, tropospheric and ionospheric corrections, calibration and validation, relations with international organisations (BIPM, IGS).
- Scientific applications in meteorology, geodesy, geophysics, space physics, oceanography, land surface and ecosystem studies, using either normal or reflected signals, differential measurements, phase measurements, occultations, in real or delayed modes, using receivers placed on the ground, in airplanes or in scientific satellites.
- Scientific developments in physics and dealing with future systems, particularly in testing fundamental laws, in astronomy, in quantum communication, and in developing clocks or experiments based on GNSS.

This colloquium intends to bring together leading members of the European scientific community and their international partners. One of its aims is to propose to Galileo partners means of enhancing the scientific use of Galileo and to contribute to GNSS development based on scientific approaches.

Contact Points:

Organisation Committee: Martine.Segur@anae.fr

Scientific Committee: Clovis.de.Matos@esa.int

SOURCE: [HTTP://WWW.CONGREX.NL/07A06/](http://www.congrex.nl/07A06/)

37th Scientific Assembly of the Committee on Space Research and Associated Events – COSPAR 2008

50th Anniversary Assembly

13 - 20 July 2008, Montreal, Canada.

Contact:

COSPAR Secretariat, c/o CNES, 2 place Maurice Quentin, 75039 Paris Cedex 01, France. Tel: +33 1 44 76 75 10, Fax: +33 1 44 76 74 37. E-mail: cospar@cosparhq.cnes.fr

<http://www.cospar2008.org/> or <http://www.cospar-assembly.org>

Scientific Program Chair:

Prof. Jean-Pierre St.-Maurice, University of Saskatchewan, Saskatoon, Canada

Abstract Deadline:

Mid-February 2008

Topics:

Approximately 85 meetings covering the fields of COSPAR Scientific Commissions (SC) and Panels:

- SC A: The Earth's Surface, Meteorology and Climate
- SC B: The Earth-Moon System, Planets, and Small Bodies of the Solar System
- SC C: The Upper Atmospheres of the Earth and Planets Including Reference Atmospheres
- SC D: Space Plasmas in the Solar System, Including Planetary Magnetospheres
- SC E: Research in Astrophysics from Space
- SC F: Life Sciences as Related to Space
- SC G: Materials Sciences in Space
- SC H: Fundamental Physics in Space
- Panel on Satellite Dynamics (PSD)
- Panel on Scientific Ballooning (PSB)
- Panel on Potentially Environmentally Detrimental Activities in Space (PEDAS)
- Panel on Radiation Belt Environment Modelling (PRBEM)
- Panel on Space Weather (PSW)
- Panel on Planetary Protection (PPP)
- Panel on Capacity Building (PCB)
- Panel on Education
- Special events: 50th anniversary lectures, interdisciplinary lectures, space agency round table, session on EGY - Towards an Earth and Space Science Commons

Papers Published in *Advances in Space Research*, a fully refereed journal.

A. JANOFSKY
Associate Director
COSPAR

16th International Workshop on Laser Ranging – Initial Announcement

Poznan Poland, September 22-26, 2008.

The Space Research Centre of the Polish Academy of Sciences has confirmed that the next International Workshop on Laser Ranging will be held in Poznan Poland (15 km from the Borowiec SLR station) on September 22-26, 2008. We ask you to reserve this date on your calendars and plan to attend what will surely be another exciting laser workshop.

CAREY NOLL
Crustal Dynamics Data Information System (CDDIS)

IAG Sponsored Meetings

“Scientific and Fundamental Aspects of the Galileo Programme”

2-4 October 2007, Toulouse, France

An international colloquium on fundamental aspects and scientific applications of Galileo and GNSS will be held in Toulouse in October 2007. ANAE (Académie Nationale de l’Air et de l’Espace), Bureau des Longitudes, Académie de Marine and ESA (European Space Agency), are the main instigators of this colloquium meant to contribute to the 50th anniversary celebrations of the launch of Sputnik. For more information please visit <http://www.congrex.nl/07A06/>.

2007 GEO/GGOS Workshop

5-6 November 2007, ESA-ESRIN, Frascati, Italy

The GGOS Contribution to GEOSS and an Observing System for Geohazards and Disaster Prevention: a GEO Workshop organized by the Global Geodetic Observing System (GGOS). The Workshop is scheduled during the 2007 International Geohazards Week in ESRIN, Frascati (Italy) on 5-9 November 2007. The 2007 International Geohazards Week is a GEO event that contributes to the International Year of Planet Earth. The official Workshop Web Page is hosted by the European Space Agency. For registration, hotel reservation, and abstract submission, please, visit this official page <http://earth.esa.int/workshops/2007Geohazards/>. Additional information on the Workshop background and program is provided at http://cheryl.nbmgu.unr.edu/ggos/ggosws_2007/.

New Challenges in Earth's Dynamics ETS2008

September 1-5 2008, Jena, Germany

Under the sponsorship of the International Association of Geodesy (IAG), the Commission 3 (Geodynamics) & the sub-commissions on earth Tides (3.1), Crustal Deformation (3.2), Geophysical Fluids (3.3) and the Global Geodynamics Project (GGP) organise for the first time a joint meeting which will include the 16th International Symposium on earth Tides. The assembly will provide a unique opportunity to exchange new results and strategies to meet the current challenges of earth's dynamics from different viewpoints. For details, please visit www.ets2008.de.

IAG Related Meetings

GMOSS International Summer School 2007

2-9 September 2007, Madrid, Spain

The GMOSS International Summer School 2007 is dedicated to the theme of "Early Warning and Monitoring of Agreements" and is hosted by der Universidad Pontificia de Salamanca Facultad de Informática and European Satellite Center and supported by Salzburg University's Centre for Geoinformatics (Z_GIS) as partner of the EC FP6 Network of Excellence Global Monitoring for Security and Stability GMOSS (<http://gmooss.jrc.it/>). Check out further information on the following web page: <http://www.training-zgis.at/>.

First International Summer School on Global Navigation Satellite Systems: A Worldwide Utility

2-9 September 2007, Berchtesgaden, Germany

This summer school will provide key information, fresh ideas, practical advice such as Satellite Navigation, Business and System Engineering and Applications of Satellite Navigation. Registration is possible on <http://www.munich-satellite-navigation-summer-school.org>.

Baška GNSS Vulnerabilities Workshop

12-14 September 2007, Baška, Krk Island, Croatia

The international workshop Global Navigation Satellite Systems (GNSS): problems, vulnerabilities and solutions, jointly organised by the Royal Institute of Navigation Croatian Branch and the Institute of Engineering Surveying and Space Geodesy, University of Nottingham, UK, will be held in Baška, Krk Island, Croatia 12-14 September, 2007. Submission deadline for presenters is set to 1 July, 2007. For more information on the GNSS Vulnerabilities Workshop is reachable through the webpage http://www.rin.org.uk/pooled/articles/BF_EVENTART/view.asp?Q=BF_EVENTART_286566

ION GNSS 2007

24-25 September 2007, Fort Worth, Texas, USA

The 20th International Technical Meeting of the Satellite Division of the Institute of Navigation will be held at Fort Worth, Texas, USA. Abstracts should be submitted electronically via ION's Web site no later than March 7, 2007. Program information and further details are found on the webpage of the meeting <http://www.ion.org/meetings/#gnss>.

INTERGEO 2007

September 25-27, 2007, Leipzig, Germany

INTERGEO 2007 is a conference and trade fair for geodesy, geoinformation and land management. See <http://www.intergeo.de/englisch/page/main/index.php>.

International Symposium on Strong Vrancea Earthquakes and Risk Mitigation

4-6 October 2007, Bucharest, Romania

International Symposium on Strong Vrancea Earthquakes and Risk Mitigation organized by the CRC 461 "Strong Earthquakes – A Challenge for Geosciences and Civil Engineering" (Universität Karlsruhe, Germany) and the "Romanian Group for Strong Vrancea Earth-quakes" (RGVE), Bucharest will take place between 4-6 October 2007, Bucharest, Romania. For further information and registration please visit <http://www-sfb461.physik.uni-karlsruhe.de/>.

UNEDRA International Workshop

15-16 October 2007, Abuja, Nigeria

The University Network for Disaster Risk Reduction in Africa (UNEDRA) is organizing an International Workshop on "The use of regionally owned space infrastructure for disaster management in West and North Africa – status quo and prospects" on 15-16 October 2007 in Abuja, Nigeria. Further info please contact: Dr. Norman Kerle, e-mail: kerle@itc.nl.

SSTDM 07'

28 October 2007, Omaha, NE, USA

The 2007 International Workshop on Spatial and Spatio-Temporal Data Mining (SSTDM 07') will be held in cooperation with IEEE ICDM 2007 in Omaha, Nebraska, USA. The goal of the workshop is to bring together researchers, developers and practitioners in the field of spatial and spatio-temporal data mining together in order to identify current research foci, vital areas of need, and critical points of synergy. Selected papers will appear in the *GeoInformatica* journal as a special issue. The workshop webpage is at <http://spatial.nvc.cs.vt.edu/ssstdm07>.

UN-SPIDER Workshops

The following UN-SPIDER Workshops are confirmed for 2007:

- Space-based Information and Solutions for Disaster Management and Emergency Response" in Bonn, Germany, 29 to 31 October 2007
- Building Upon Regional Space-based Solutions for Disaster Management and Emergency Response" in Guangzhou, China, 03 to 05 December 2007
- Space-based Solutions for Disaster Management and Emergency Response" in Khartoum, Sudan, 09 to 12 December 2007

For further information on the above UN-SPIDER Workshops please visit the UNOOSA website: <http://www.unoosa.org/oosa/en/unspider/workshops.html>.

2007 International Geohazards Week

5-9 November 2007, ESRIN, Frascati, Italy

The European Space Agency is hosting the 2007 International Geohazards Week in ESRIN, Frascati (Italy) on 5-9 November 2007. The 2007 International Geohazards Week is a GEO event that contributes to the International Year of Planet Earth. Registration is now open: <http://earth.esa.int/workshops/2007Geohazards>.

ACM GIS 2007

7-9 November 2007, Seattle, Washington, USA

The ACM International Symposium on Advances in Geographic Information Systems in 2007 (ACM GIS 2007) is the fifteenth event of a series of symposia and workshops that began in 1993 with the aim of bringing together researchers, developers, users, and practitioners carrying out research and development in novel systems based on geo-spatial data and knowledge, and fostering interdisciplinary discussions and research in all aspects of geographic information systems. The conference webpage is at <http://www.cise.ufl.edu/dept/acmgis2007/>.

International Symposium "Modern Technologies, Education and Professional Practice in Geodesy and Related Fields"

9-10 November 2007, Sofia, Bulgaria

This International Symposium with a special session for young specialists and students will take place in Sofia on November 09 - 10 November 2007. This symposium is the sixteenth in its turn among the annual international symposia with exhibition, organised by USLMB so far under the auspices and with the sponsorship of the three international surveying organisations: FIG, ISPRS, ICA and also EGoS and CLGE and local and international institutions. For up-to-date information please, visit the Symposium website at: <http://geodesy.fnts-bg.org/>.

2nd Space for Hydrology Workshop

November 12-14 2007, Geneva, Switzerland

The second Space for Hydrology Workshop - "Surface Water Storage and Runoff: Modeling, In-Situ data and Remote Sensing", will be held in Geneva (Switzerland), 12-14 November 2007. For registration, accomodation, and further information on the Second Space for Hydrology Workshop, visit: <http://earth.esa.int/hydrospace07>.

26th ECGS Workshop

November 19-21 2007, Luxembourg

The 26th edition of the multi-disciplinary ECGS workshops is dedicated this year to Continental Rifting and Volcanology, with special focus on the Virunga (North Kivu, DR of Congo). For more information, please visit the Workshop webpage: <http://www.ecgs.lu/index.php?option=news&task=viewarticle&sid=17>.

IGNSS 2007

December 4 - December 6 2007, Sydney, Australia

The IGNSS Symposium includes open forums where users can discuss the implementation and application of GNSS and other location technologies. The website of the Symposium can be found at <http://www.ignss.org/>.

3rd WCRP

January 20 – February 1, 2008, Tokyo, Japan

Third World Climate Research Programme (WCRP) International Conference on Reanalysis is planned to take place in Tokyo, Japan from 28th January to 1st February 2008. See http://jra.kishou.go.jp/3rac_en.html for further information.

ISU's 12th Annual Symposium 'Space Solutions to Earth's Global Challenges'

February 20-22 2008, Strasbourg, France

The 12th Annual International Symposium: "Space Solutions to Earth's Global Challenges" organized by the International Space University (ISU) will be held in Strasbourg, France from 20-22 February 2008. Abstract Deadline is 5th October 2007. See <http://www.isunet.edu/>.

Measuring the changes

May 12-15 2008, Lisbon, Portugal

This conference is the second joint meeting of the two groups under the theme "Measuring the Changes", combining the 13th FIG Symposium on Deformation Measurements and Analysis with the 4th IAG Symposium on Geodesy for Geotechnical and Structural Engineering. The recent catastrophic disasters have dramatically increased the importance, and demand, for fully automated, continuous, and reliable deformation monitoring in the civil engineering, mining, and energy sectors. The Conference webpage is <http://measuringchanges.lnec.pt/>.

International Symposium on the Effect of Climate Change on the World's Oceans

May 19-23 2008, Gijón, Spain

Climate change is the most important threat to the Earth. Even if we stabilize CO₂ emissions, the 2007 IPCC (Intergovernmental Panel on Climate Change) Assessment confirms that warming will continue for decades and sea level will continue to rise for centuries. The Symposium will bring together results from observations, analyses and model simulations, at a global scale, and will include discussion of the climate change scenarios and the possibilities for mitigating and protecting the marine environment and living marine resources. For details, please visit http://www.pices.int/meetings/international_symposia/2008_symposia/Climate_change/

37th Scientific Assembly of the Committee on Space Research and Associated Events – COSPAR 2008

50th Anniversary Assembly

13 - 20 July 2008, Montreal, Canada.

The 50th Anniversary Assembly COSPAR 2008 will be held in Montreal, Canada. For more information about this particular event please visit the Assembly website at <http://www.cospar2008.org/>.

16th International Workshop on Laser Ranging

22-26 September 2008, Poznan, Poland

The next International Workshop on Laser Ranging will be held in Poznan Poland (15 km from the Borowiec SLR station) on September 22-26, 2008.

HydroChange 2008

October 1-3, 2008, Kyoto, Japan

The HydroChange 2008 Symposium "Hydrological changes and management from headwater to the ocean" will be held at Kyoto Garden Palace, Kyoto, Japan. Please visit the official web site of the Symposium at http://www.chikyu.ac.jp/HC_2008.

XXXVI IAH Congress

October 26-31, 2008, Toyama, Japan

“Integrating Groundwater Science and Human Well-being” congress is planned to be held in Toyama, Japan. Please visit <http://www.envr.tsukuba.ac.jp/~IAH2008>.

IAG Sister Societies' General Assemblies

XIIIth ISM Congress

September 24-28, 2007, Budapest, Hungary

The XIIIth Congress of International Society for Mine Surveying (ISM) will be held at Budapest University of Technology and Economics, Budapest, Hungary. The preliminary program is available from the ISM website: <http://www.ism.rwth-aachen.de>.

Associations' Scientific Assemblies of the IUGG

- IUGG/IAGA, August 23-30, 2009, Sopron, Hungary
- IUGG/IAHS, September 7-12, 2009, Hyderabad, India
- IUGG/IASPEI, January 10-16, 2009, Cape Town, South Africa
- IUGG/IAG, August-September, 2009, Buenos Aires, Argentina
- IUGG/IACS-IAMAS-IAPSO, July 19-29, 2009, Montreal, Canada
- IUGG/IAVCEI, August 12-15, 2008, Reykjavik, Iceland

XXI ISPRS Congress

July 3-11, 2008, Beijing, China

The quadrennial ISPRS Congress will be hosted by the Chinese Society of Geodesy, Photogrammetry and Cartography, with the theme 'Silk Road for Information from Imagery'. It is worth mentioning that ISPRS 2008 Beijing will be held just one month before 2008 Beijing Olympic Games when the city will become the focus of world attention. Detailed information is available from the Congress website: <http://www.isprs2008-beijing.org/>.

33rd International Geological Congress IGC

August 6-14, Oslo, Norway

The 2008 Congress will be held in collaboration with the International Union of Geological Sciences (IUGS) and many other international and national organisations, the National IUGS Committees in the five Nordic Countries (Norden): Norway, Denmark, Finland, Iceland and Sweden. Please visit <http://www.33igc.org/> for more information about the IGC 2008.

IAVCEI 2008 General Assembly

August 18-24, 2008, Reykjavik, Iceland

Reykjavik is an excellent place to host the IAVCEI General Assembly in 2008. The main theme of the meeting will be "Understanding Volcanoes". The meeting is devoted to volcanism and volcano-tectonics of all environments and the impact of volcanic eruptions on the surface environment and human activities. The website of the Assembly is <http://www.iavcei2008.hi.is/>.

Reports

Report on Global Navigation Satellite System (GNSS) Base Station Installation and Data Processing Training Course

Regional Centre for Mapping of Resources for Development

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A two-week training course on *Establishment of Continuous Operating Reference Stations and GNSS Data Processing* was held at the Regional Centre for Mapping of Resources for Development (RCMRD), Nairobi

Kenya from 30th July – 10th August 2007. The course was organized by RCMRD in conjunction with the Center of Geophysics of the University of Lisbon, Portugal and Hartebeesthoek Radio Astronomy Observatory of South Africa. The objective of the course was to equip geodesists with practical skills in the establishment and operation of Continuous Operating Reference Stations. The topics discussed include AFREF implementation strategy, IGS products & data, hardware and software requirements to establish Continuous Operating Reference Stations, design of geodetic networks and GNSS data processing. Participants from nine countries namely; Ethiopia, Kenya, Malawi, Nigeria, Portugal, Uganda, South Africa, Tanzania and Zambia took part in the course.

The course was officially opened by Hon. (Prof). Kivutha Kibwana, the Minister for Lands of the Republic of Kenya. In his opening speech the Minister said “currently in Africa there are poor and out dated surveying and mapping technologies that hamper the progress of mapping in Africa. It is for these reasons that modern geo-information which include Global Navigational Satellite System are increasingly being used to speed up surveying and mapping activities. This training course is therefore very important and timely. I am particularly pleased that the course will focus on the standardisation and harmonization of maps in Africa to enhance cooperation and economic integration of our countries.”

We wish to sincerely thank the International Association of Geodesy (IAG), UNAVCO, Trimble Navigation Limited, Leica Geosystems and Topcon Europe Positioning B.V. for supporting the course.

DR. H.O.FARAH

Regional Centre for Mapping of Resources for Development



Group photo of course participants with Minister Prof. Kivutha Kibwana of Kenya