Contents

General Announcements ................................................................. 3
GNSS position at University of Calgary ............................................. 3
Nominations for a new GGOS Chair ................................................. 4
Proceedings of the 2010 UN-SPIDER Bonn Workshop .......................... 4
Announcement of a Special Issue of ASR on Lunar Exploration ................. 4
JoG Editorial Board ....................................................................... 5
Meeting Announcements .................................................................. 5
APSG Workshop 2011 .................................................................... 5
2011 IAG General Assembly ............................................................ 7
2nd GIA Modeling Training School, Gävle, Sweden, 13-17th June 2011 .......... 8
International workshop on GNSS Remote Sensing for Future Missions and Sciences ......................................................... 8
IAG Sponsored Meetings ................................................................ 8
XXV IUGG General Assembly .......................................................... 8
2011 IAG General Assembly ............................................................ 8
International workshop on GNSS Remote Sensing for Future Missions and Sciences ......................................................... 9
SIRGAS General Meeting 2011 ........................................................ 9
3rd International Colloquium - Scientific and Fundamental Aspects of the Galileo Programme .................................................. 9
Joint International Symposium on Deformation Monitoring ...................... 9
IAG Related Meetings .................................................................. 9
7th International Symposium on Mobile Mapping Technology .................. 9
TransNav 2011 ............................................................................... 9
SGEM 2011 .................................................................................. 9
APSG Workshop 2011 .................................................................. 9
ESA International Summer School on GNSS 2011 ................................. 9
AOGS 2011 Conference ................................................................. 9
XXX URSI General Assembly and Scientific Symposium ......................... 10
ISDE7 ......................................................................................... 10
Journées 'Systèmes de référence spatio-temporels' 2011 ......................... 10
SMOS Science Workshop .................................................................. 10
Intergeo 2011 ............................................................................... 10
ISPRS - PIA11 Photogrammetric Images Analysis .................................. 10
SX5 - Scientific Service Support Based on Galileo E5 Receivers ................. 10
OSTST Meeting ............................................................................ 10
Modern Technologies, Education & Professional Practice in Geodesy and Related Fields ....................................................... 10
10th International E-VLBI Workshop ................................................ 10
UGI 2011 Regional Geographic Conference ........................................ 10
AGU Fall Meeting .......................................................................... 10
2nd International School on Least Squares Approach to Modeling the Geoid ................................................................. 10
Reports ....................................................................................... 11
FIG Working Week ....................................................................... 11
Fast Bibliography ........................................................................ 12
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
Assistant Professor in Geomatics Engineering

The Department of Geomatics Engineering, in the Schulich School of Engineering at the University of Calgary, invites applications for the position of Assistant Professor (tenure-track), effective September 1, 2011. Applicants must have an earned PhD in geomatics engineering or equivalent, and have demonstrated research excellence in one or more of the following general Digital Imaging and Earth Observation areas: digital image analysis, integrated sensor orientation, image understanding, spatial data visualization, remote sensing, and satellite techniques for geodetic Earth monitoring. The successful applicant will be expected to develop a strong research program in one or more of the above mentioned areas and to attract external funding for these activities and graduate student support. The successful applicant must also have the capability and the flexibility to teach at all levels of the Geomatics Engineering program, including common-core engineering courses. If the successful candidate is not registered as a Professional Engineer in Canada, she/he will be required to register as a Professional Engineer in the Province of Alberta within two years of initial appointment.

The Department of Geomatics Engineering is actively involved in all aspects of geomatics engineering and has 18 faculty members, some 140 graduate students, and more than 50 students in each year of the undergraduate program. State-of-the-art geomatics engineering equipment and computer facilities are available. Related information can be found at http://www.geomatics.ucalgary.ca.

Among Canada’s universities, the University of Calgary is a comprehensive research university with close to 30,000 full-time equivalent students, including over 5,000 graduate students and in the Canadian top ten in a broad cross-section of measures, including research funding, endowment, graduation of PhD students, fundraising, and the quality of its professoriate. It is located on a modern campus in an attractive residential area, just minutes from downtown. Calgary is the Canadian centre for engineering and is Canada's second largest head-office city. It enjoys a vibrant economy based on energy, high-tech and tourism industries and the province of Alberta has the most favourable taxation environment in Canada. Calgary has a population of over one million, is situated in the foothills of the Canadian Rocky Mountains, and offers excellent recreational opportunities year round like skiing and cross-country hiking.

Interested individuals are requested to submit via e-mail their curriculum vitae, statement of research interests, statement of teaching focus and philosophy including potential courses to be taught, and the names and contact information of three references to:

Head, Department of Geomatics Engineering, Schulich School of Engineering
University of Calgary
E-mail: minch@ucalgary.ca

It is the responsibility of the applicant to contact their references and request that reference letters are directly sent to the above e-mail from their respective organization e-mail address. The letters should be provided on a professional letterhead from the reference provider’s organization as a PDF attachment.

The deadline for the submission of applications is June 15th, 2011

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. The University of Calgary respects, appreciates and encourages diversity.

MS. MARCIA INCH
Administrative Manager, University of Calgary
Nominations for a new GGOS Chair

Dear Colleagues,

this year, with the IUGG General Assembly in Melbourne, the second term of the GGOS Chair ends and therefore we are looking for nominations for a new chair.

In principle, you may no nominate anybody from the geodetic community. We are looking, however, for persons with the following attributes:

- a scientist with a high international standing
- capable to united and integrate the geodetic community
- with a broad expertise in geodesy
- with a clear vision for geodesy and GGOS

Please send in your nomination(s) as soon as possible, but no later than June 5, 2011

After June 5, 2011, the GGOS Chair Selection Committee will ask those who have been nominated, whether they are willing to be candidates for the Chair of GGOS. Based on the CV and a statement of the candidates the GGOS Chair Selection will then select the best 2-3 candidates. These will have to be approved by the GGOS SC and, finally, the IAG Executive Committee will appoint the GGOS chair. Thereby, the IAG Executive Committee is free to select somebody from the 2-3 candidates or not.

The IAG services should forward this e-mail to their governing and directing board members. We are looking forward to receive your nominations.

With best regards,

The GGOS Chair Selection Committee:

C.K. SHUM (Chair)
REINER RUMMEL
CLAUDE BOUCHER
ROGER HAAGMANS
MARKUS ROTHACHER

Proceedings of the 2010 UN-SPIDER Bonn Workshop

The proceedings of the 2010 UN-SPIDER Bonn Workshop are now online. Please go to [http://www.un-spider.org/4c-challenge-communication-coordination-cooperation-capacity-development](http://www.un-spider.org/4c-challenge-communication-coordination-cooperation-capacity-development) to read more.

NATALIE EPLER
UNOOSA

Announcement of a Special Issue of ASR on Lunar Exploration

Papers are invited for a special topical issue of Advances in Space Research (ASR) entitled "Lunar Exploration".

The recent and coming Lunar missions provides new opportunities to explore and understand space environments, surface processes, interior structure, evolution, and origin of the Moon, e.g., SMART-1, SELENE, ChangE-1 and 2, Chandrayaan-1, and LRO/LCROSS, and coming Chandrayaan-2, SELENE-2, LADEE, GRAIL as well as other manned missions and sample return missions. This special issue is open to all scientists who may have an appropriate scientific paper to present latest results from lunar missions, including theory, methods, measurements, modelling and findings as well as comparative studies with the Earth in the atmosphere, surface and interiors. Manuscripts on new advances or simulations in lunar science, lunar mission concepts, the instrumentation for the future lunar missions and surviving the lunar environment including habitats and radiation protection are also welcomed.

Papers must be submitted electronically to [http://ees.elsevier.com/asr](http://ees.elsevier.com/asr). To ensure that all manuscripts are correctly identified for inclusion into the special issue, authors must select "Lunar Exploration" when they reach the "Article Type" step in the submission process.

Submitted papers must be written in English and should include full affiliation addresses for all authors. Only full-length papers will be considered for publication, subject to peer review by two reviewers. There are no page limits although the length of the paper should be appropriate for the material being presented. While the deadline for submissions is 31 October 2011, papers will be published electronically as soon as they are accepted. The printed issue will be assembled within a reasonable time with late papers being printed in regular
issues of ASR. Contributors to this issue will have an opportunity to purchase individual issues once the issue is finalized. All articles will be typeset at no cost to the author; there is a nominal charge for printing color figures although there is no charge for color figures on the electronic version.

Dr. Shuanggen Jin (sg.jin@yahoo.com) is the Guest Editor for this special issue. Questions can be directed to Dr. Jin or to the Co-Editor for Special Issues, Dr. Peggy Ann Shea (sssrc@msn.com).

The general format for submission of papers is on the ASR Elsevier web site.

SANDRA VERHAGEN

Since the Journal “Advances in Space Research” is the official journal of COSPAR, and there is a traditional close relationship between IAG (Commission 1) and COSPAR (Sub-commission B2), therefore the above Call for Participation is published in the IAG Newsletter.

IAG COB

JoG Editorial Board

According to the IAG Bylaws §19, the current Editor-in-Chief of the Journal of Geodesy, in consultation with the Bureau, shall recommend a preliminary list of candidates for the new Board of Editors. This list shall be published on the IAG website to solicit additional nominations from the geodetic community. The additional candidates will be added to the list. At the General Assembly, the current Board shall appoint the members of the new Board from those recommended. After approval of these nominations by the Executive Committee, they will be considered as elected.

The proposed list is given below:

- Roland Klees (The Netherlands, Editor in Chief)
- Johannes Boehm (Austria)
- Pieter Clark (UK)
- Athanasios Dermanis (Greece)
- Pavel Ditmar (The Netherlands)
- Jeff Freymueller (USA)
- Masato Furuya (Japan)
- Richard Gross (USA)
- Chris Jekeli (USA)
- Wolfgang Keller (Germany)
- Christopher Kotsakis (Greece)
- Jan Kouba (Canada)
- Juergen Kusche (Germany)
- John Ries (USA)
- Simon Williams (Poland)
- Pascal Willis (France)

HERMANN DREWES
IAG Secretary General

Meeting Announcements

APSG Workshop 2011

APSG Workshop 2011 on Space Geodesy and Its Applications for Geosciences and Space Exploitation
25-27 June, 2011, Melbourne, Australia

Organized by:
Asia Pacific Space Geodynamics (APSG) Program Central Bureau
The RMIT University, Australia
Dear Colleagues:
The Organizing Committee warmly invites you to take part in the APSG Workshop 2011 “Space Geodesy and Its Applications for Geosciences and Space Exploitation”, to be held in Melbourne, a beautiful city in Australia, 25-27 June, 2011. The workshop will take place before XXV IUGG General Assembly (www.IUGG2011.com), which will be held in the same city, 28 June - 8 July, 2011. Therefore you have an opportunity to attend the IUGG Assembly after the APSG Workshop. The detail about the Workshop can be found on the website: www.shao.ac.cn/APS2011.

Topics
1. Data processing and inversion of geodetic technology
   Including data processing and inversion methods of GNSS Satellite Gravity (GRACE GOCE) Satellite Altimetry and ICESat data, as well as other related topics
2. Estimation of the sea level change and ice melting in Asia-Pacific regions by geodetic methods
   Including regional sea-level changes, ice melting water storage changes and glacial isostatic adjustment (GIA) as well as other related topics
3. Crustal deformation, Earthquake Dynamics and Tsunami
   Including inversion of focal mechanism, crustal deformation, tectonic movement and stress field. Especially, recent research results for the Japanese strong earthquake and the subsequent tsunami should be paid close attention to.
4. Space geodesy-based atmospheric remote sensing
   Including advanced geodetic techniques used for atmospheric remote sensing, extreme weather events and environment – theory, algorithm and innovative applications.
5. The Moon and Planetary Geodesy
   New results from CE-2, SELENE, Chandrayaan-1, LRO missions, and introductions about future missions, such as YH-1, Phobos-Grunt.

Venue of Workshop
RMIT University, Melbourne

Formal language of Workshop
English

Registration fee (to be paid at the meeting)
   Full registration: US $300.
   Student registration: US $200.

Important dates
Workshop: 25-27 June 2011

Accommodation
A list of hotels will be provided in the Second Announcement. We will recommend 3-stars or 4-star hotels in the downtown area or university dormitories, close to the venue of the workshop.

Tour arrangement
The Organizing Committee will organize the city tour of Melbourne, and the other scenic spots of Australia after the workshop would be arranged according to your will by local travel agency.

Correspondence
Ms. Ruixian Zhou, Prof. Zhihan Qian, Prof. Cheng Huang
Shanghai Astronomical Observatory, Chinese Academy of Sciences
80 Nandan Rd. Shanghai, 200030, China
Pre-Registration Form is available from http://202.127.29.4/APSG2011/reg.html

KEFEI ZHANG
RMIT SPACE Research Centre

2011 IAG General Assembly
at IUGG2011: “Earth on the Edge: Science for a Sustainable Planet”
Melbourne Convention and Exhibition Centre, Australia
28th June – 7th July, 2011

- Standard Registration Deadline 24 June 2011
- Conference website: http://www.iugg2011.com
- Scientific program of symposia, workshops, fieldtrips, symposia convenors, plenary and keynote speakers already available on website

The IAG Scientific Program consists of the following program of symposia:

IAG ONLY SYMPOSIA (see website www.iugg2011.com under Scientific Program for symposia descriptions, convenors names and Keynote Speakers)

- G01 Reference Frames from Regional to Global Scales
- G02 Monitoring and Modelling of Mass Displacements by Geodetic Methods
- G03 Monitoring and Modelling Earth Rotation
- G04 Multisensor Systems for Engineering Geodesy
- G05 Geodetic Imaging Techniques
- G06 Towards a Unified World Height System
- G07 High Precision GNSS

IAG - JOINT ASSOCIATION SYMPOSIA (see website www.iugg2011.com under Scientific Program for symposia descriptions, convenors names and Keynote Speakers)

- J-G01 Space Geodesy-based Atmospheric Remote Sensing as a Synergistic Link between Geodesy and Meteorology
- J-G02 Application of Geodetic Techniques in Cryospheric Studies
- J-G03 History of Geosciences from Terrestrial to Spaceborne Observations
- J-G04 Structure and Deformation of Plate Interiors
- J-G05 Integrated Earth Observing Systems
- J-G06 Tectonic Geodesy and Earthquakes

The theme for the IUGG2011 conference at large is “Earth on the Edge: Science for a Sustainable Planet”. IUGG2011 will be the largest multi-disciplinary geophysical meeting to be held in Australia, and in excess of 3,000 delegates are expected to attend. In addition to the IAG specific program outlined above, the scientific program will address many of the environmental, sustainability and hazard issues facing the Earth, including climate change, extreme weather events, melting glaciers and ice-caps, rising sea-levels, water in arid countries, earthquake hazards and tsunamis, and volcanic hazards, processes and natural resources. It should thus be a fantastically stimulating conference.
The conference website is at http://www.iugg2011.com, with information about the conference, the scientific program of symposia, workshops and fieldtrips, and listings of the symposia convenors and Keynote Speakers. The IUGG 2011 Detailed Preliminary Program now is available and registration for Workshops is still open.

The Organising Committee of IUGG2011 looks forward to welcoming the international volcanology and geoscience community to the 2011 IAG and IUGG General Assembly in Melbourne.

RAY CAS  
Chair, Joint Australia and New Zealand Organising Committee IUGG2011

2nd GIA Modeling Training School, Gävle, Sweden, 13-17th June 2011

The main objective of this Training School is to give early-stage researchers whose principal area of expertise is not in GIA modeling an intensive training on numerical GIA modeling. The training will not be limited to the solid-earth deformation process of GIA only, but will also involve glaciological modeling of the disappearing Late-Pleistocene ice sheets on the one hand and GIA-induced sea-level change on the other hand. The School is sponsored by COST Action ES0701 and further information may be found at http://tinyurl.com/2f6k2xu.

MATT KING  
School of Civil Engineering and Geosciences  
Newcastle University

International workshop on GNSS Remote Sensing for Future Missions and Sciences  
August 7-9, 2011, Shanghai, China  
http://www.shao.ac.cn/gnss

The Global Navigation Satellite System (GNSS) has been widely used in navigation, positioning and geoscience applications. Recently, the versatile refracted, reflected and scattered signals of GNSS have been successfully demonstrated to sound the atmosphere and ionosphere, ocean, land surfaces (including soil moisture) and the cryosphere as a new remote sensing tool. With the further improvement of the next generation multi-frequency GNSS systems and receivers and new space-based instruments utilizing GNSS reflections and refractions, new scientific applications of GNSS are expected in various environment remote sensing fields in the near future.

The international workshop on GNSS Remote Sensing for Future Missions and Sciences will be a forum for assessing current ability and presenting recent results and future developments as well as looking for new collaboration opportunities, joint nanosatellite experiments and missions using GNSS refractometry, reflectometry and scatterometry, e.g., atmospheric and ionospheric sounding using ground and space-borne GPS measurements (CHAMP, GRACE, COSMIC, MetOp, TerraSAR-X, OceanSat-2), GNSS reflectometry (GNSS-R) in ocean altimetry, and soil moisture and ice/snow status as well as geohazards monitoring/warning (e.g., Hurricane, Typhoon, Tsunami and Earthquake).

SANDRA VERHAGEN  
President, IAG Commission 4

IAG Sponsored Meetings

XXV IUGG General Assembly  
June 27 – July 8, 2011, Melbourne, Australia  
URL: http://www.iugg2011.com/

2011 IAG General Assembly  
at IUGG2011: “Earth on the Edge: Science for a Sustainable Planet”  
Melbourne Convention and Exhibition Centre, Australia  
June 28 – July 7, 2011

The next IAG General Assembly will be held as part of the major IUGG2011 international conference at the new Melbourne Convention and Exhibition Centre from 28th June to 7th July, 2011. IUGG (or the International Union for Geodesy and Geophysics) is a collaborative grouping of eight scientific learned societies or associations. The conference website is http://www.iugg2011.com.
International workshop on GNSS Remote Sensing for Future Missions and Sciences
August 7-9, 2011, Shanghai, China
URL: http://www.shao.ac.cn/gnss

SiRGA General Meeting 2011
August 8-10, 2011, Heredia, Costa Rica
URL: http://www.sirgas.org/

3rd International Colloquium - Scientific and Fundamental Aspects of the Galileo Programme
August 31 - September 2, 2011 in Copenhagen, Denmark
More information and online abstract submission is available on the Colloquium web site: http://www.congrex.nl/11A12/

Joint International Symposium on Deformation Monitoring
November 2-4, 2011, Hong Kong, China
URL: http://dma.lsgi.polyu.edu.hk/

IAG Related Meetings

7th International Symposium on Mobile Mapping Technology
June 13-16, 2011, Krakow, Poland
The Symposium MMT’ 2011 will be held on 13 – 16 June 2011, in the Sheraton hotel Cracow, Poland. We strongly invite and encourage all professionals, researchers and academics, business and industry partners, students to participate in this important event. Science Chair: Dorota Grejner-Brzezinska. The MMT2011 web site is up and running: http://www.mmtcracow2011.pl/.

TransNav 2011
June 15-17, 2011, Gdynia, Poland
URL: http://transnav.am.gdynia.pl/

SGEM 2011
June 19-25, 2011, Albena, Bulgaria
The 11th International Multidisciplinary Scientific Geo-Conference and Expo - SGEM 2011 (Surveying Geology & mining Ecology Management) will be held during the period 19 - 25 June 2011 at Albena sea-side and spa resort, Bulgaria. The SGEM GeoConference focuses on the latest findings and technologies in surveying geology and mining, ecology, and management, in order to contribute to the sustainable use of natural resources.
URL: http://www.sgem.org/

APSG Workshop 2011
June 25-27, 2011, Melbourne, Australia
URL: http://www.shao.ac.cn/APSG2011

ESA International Summer School on GNSS 2011
July 20-30, 2011, Berchtesgaden/Bavaria, Germany
It is the objective of this summerschool to provide the attendees with a comprehensive overview on the design and development of satellite navigation systems as well as its applications. The program is open to graduate students, PhD. candidates, early-stage researchers and young professional willing to broaden their knowledge.
URL: http://www.munich-satellite-navigation-summerschool.org

AOGS 2011 Conference
August 8-12, 2011, Taipei, Taiwan
There will be sessions related to geodesy on topics such as “New technological developments in space geodesy and applications on atmospheric and geodynamical research”, Solid Earth, Natural Hazards, and Atmosphere.
URL: http://www.asiaoceania.org/aogs2011
XXX URSI General Assembly and Scientific Symposium
August 13-20, 2011, Istanbul, Turkey
URL: http://www.ursigass2011.org/

ISDE7
August 23-25, 2011, Perth, Australia
The 7th International Symposium on Digital Earth (ISDE7) with the theme of the Knowledge Generation will be held in Perth, Australia from 23-25, August 2011 in conjunction with the Western Australian Land Information System (WALIS) Forum and the State Natural Resources Management (NRM) Conference.
URL: http://www.isde7.net/

Journées 'Systèmes de référence spatio-temporels' 2011
September 19-21, 2011, Vienna, Austria
URL: http://info.tuwien.ac.at/hg/meetings/journees11/index.html

SMOS Science Workshop
September 27-29, 2011, Arles, France
URL: http://www.smos2011.org/

Intergeo 2011
September 27-29, 2011, Nürnberg, Germany
URL: http://www.intergeo.de/

ISPRS - PIA11 Photogrammetric Images Analysis
October 5-7, 2011, Munich, Germany
URL: http://www.pia11.tum.de/

SX5 - Scientific Service Support Based on Galileo E5 Receivers
October 18, 2011, Neubiberg/Munich, Germany
URL: http://ifen.bauv.unibw.de/sx5/workshop.html

OSTST Meeting
October 19-21, 2011, San Diego, USA

Modern Technologies, Education & Professional Practice in Geodesy and Related Fields
November 10-11, 2011, Sofia, Bulgaria
Contact: milev@bas.bg

10th International E-VLBI Workshop
November 13-16, 2011, Broederstroom, South Africa

UGI 2011 Regional Geographic Conference
November 14-18, 2011, Santiago, Chile
URL: http://www.ugi2011.cl/

AGU Fall Meeting
December 5-9, 2011, San Francisco, USA
URL: http://www.agu.org/meetings/

2nd International School on Least Squares Approach to Modeling the Geoid
February 27- March 2, 2012, Johor Bahru, Malaysia
Theoretical lectures in the mornings are followed by practical computer exercises in the afternoons.
URL: http://www.infra.kth.se/geo/events/IGS-2012.pdf
The annual FIG Working Week conference this year was held in Marrakech. The theme of the conference was “Bridging the Gap Between Cultures” (http://www.fig.net/fig2011/). This was a large FIG-WW, with more than 1700 delegates (about 600 being from Morocco), from 94 countries, and over 500 presented papers. There was a large exhibition by instrument manufacturers, software vendors, local and international services and agencies. What was particularly interesting was the large Chinese contingent, demonstrating China is putting a lot of effort to gain the attention of the geospatial industry, especially in Africa. As is the case with all FIG events, because of the huge diversity of geospatial topics (covered by ten commissions) there was a large number of parallel sessions. However, when it comes to interest in GNSS, PNT, geodesy, engineering surveying and deformation, it is possible to focus on sessions organised by Commission 5 “Positioning and Measurement” (chaired by Mikael Lilje) and Commission 6 “Engineering Survey” (chaired by Gethin Roberts).

The Commission 5 sessions had themes:
- AFREF in a Global Perspective
- GNSS CORS Infrastructure & Standards
- GNSS CORS Networks Case Studies
- Geodetic Applications in Various Situations
- National Geodesy I & II
- GNSS & Land Deformation
- Geoid & GNSS Heighting
- Adjustment & Coordinate Transformation
- GNSS Processing & Analysis
- Alternatives & Backups to GNSS

The Commission 6 sessions had themes:
- Deformation Monitoring
- Land Deformation
- Land Deformation & SAR
- Laser Scanners
- Engineering Surveying
- Engineering Surveying - Equipment
- Engineering Surveying - Software

On Thursday 19th May, I gave the keynote presentation on behalf of the IAG in session “AFREF in a Global Perspective”, titled “Global & National Geodesy, GNSS Surveying, & CORS Infrastructure”. In the next session “GNSS CORS Infrastructure & Standards” I presented Ruth Neilan’s paper “The International GNSS Service (IGS): Product & Services”.

**FIG/IAG Cooperation**

For many years there has been cooperation between these sister organisations (and an MoU), especially focused on FIG Commissions 5 & 6 and IAG Commissions 1 & 4. However in 2005 this was formalised in the form of an FIG/IAG liaison document that “maps” the FIG and IAG entities (commissions, sub-commissions, working groups, study groups, etc.), and identifies areas of cooperation and common interest. This is updated at each IUGG general assembly or FIG congress, with the election of new officebearers of the organisations. The chair of FIG Commission 5 and WG chairs now regularly participate at IAG events symposia, and visa versa. Hence my attendance at this (and previous) FIG working weeks (held annually), and congresses (every 4 years). For example, the chair of the FIG Commission 5 Mikael Lilje will be attending IUGG.

This liaison provides a framework for sustained cooperation. A concrete outcome of such cooperation has been the establishment of a series of jointly organised FIG/IAG conferences. One is the “deformation monitoring” conference series (nominally held every “even” year, with the exception that this year it will be in Hong Kong, 2-4 November), and the other is the “mobile mapping technology” conference series (nominally held every “odd” year, this year in Cracow, Poland, 13-16 June). Other areas of cooperation that have been identified is the organisation of workshops or seminars on the topic of reference frames (ITRF, world vertical datum) given
by IAG presenters, a publication by the FIG on “reference frames in practice”, a closer liaison on multi-GNSS (e.g. by the FIG encouraging members to support the IGS multi-GNSS pilot project), jointly organising conference sessions on AF-REF and APREF, and cross-membership of WGs.

The aim is to take advantage of the FIG’s “reach” (it has professional member associations from over 120 countries), and its annual conferences held in different countries, to promote the Global Geodetic Observing System, IAG products such as the ITRF2008, IAG services, and IAG initiatives or projects. A “work plan” for 2011-2014 (in 2014 the FIG will hold its next congress), with suggested activities, will be presented to the IAG Executive Committee at the forthcoming IUGG General Assembly, in Melbourne, 28 June – 7 July.

CHRIS RIZOS

Fast Bibliography

The fast bibliography consists of a listing of papers relevant to Geodesy that has been collected by the IAG Bibliographic Service (IBS) since previous issue of the fast bibliography (IAG Newsletter September 2010). The IBS is based on the literature data base GEOPHOKA, which is maintained by BKG (Bundesamt für Kartographie und Geodäsie) at the Branch Office Leipzig, Karl-Rothe Strasse 10-14, 04105 Leipzig, Germany. The IBS can be reached at the following Internet address: http://www.bkg.bund.de or furthermore through the homepage of IAG: http://www.iag-aig.org.

Arabelos, D.N., Tscherning, C.C.: A comparison of recent Earth gravitational models with emphasis on their contribution in refining the gravity and geoid at continental or regional scale, Journal of Geodesy, Berlin, Vol. 84, Nr. 11, November 2010. - pp. 643-659, 2010


Bosy, Jaroslaw, Graszka, Wieslaw, Leonczyk, Marcin: ASG - a multifunctional precise satellite positioning system in Poland, Mitteilungen des Bundesamtes fuer Kartographie und Geodaesie, Frankfurt am Main, 2009, Bd. 42. - pp. 174-177, 2009

Bosy, Jaroslaw, Rohm, Wittold: Vertification of the meteorological observations on the EPN stations, Mitteilungen des Bundesamtes fuer Kartographie und Geodaesie, Frankfurt am Main, 2009, Bd. 42. - pp. 146, 2009

Brkic, Mario, Vujic, Eugen: Sekularna varijacija geomagneteskog polja na teritoriju Hrvatske, Geodetski list, Zagreb 64(2010)1. - pp. 1-9, 2010


Ellmann, Artu: Considerations on the further improvements of regional geoid modeling over the Baltic countries, Geodezija ir kartografija, Vilnius 36(2010)1. - pp. 5-15, 2010
Marjanovic, Marijan: CROPOS - Croatian positioning system, Mitteilungen des Bundesamtes fuer Kartographie und Geodaeisie, Frankfurt am Main, 2009, Bd. 42. - pp. 178-179, 2009
Mautz, Rainer: How arbitrary locations turn into places interest, Geodaeisie ir kartografija, Vilnius 36(2010)/1. - pp. 35-40, 2010
Milleskaite, Jurgita: Kovaiciavios metodo taikymas analizuojant (palyginant) skaitmeninius caizdus kartografijoje, Geodaeisie ir kartografija, Vilnius 36(2010)/1. - pp. 30-34, 2010
Nievinski, Filipe G., Santos, Marcelo C.: Ray-treacing options to mitigate the neutral atmosphere delay in GPS, Geomatica, Ottawa 64(2010)/2. - pp. 191-207, 2010
Nothnagel, Axel, Angermann, Detlef, Boerger, Klaus, Dietrich, Reinhard, Drewes, Herrmann, Goerres, Barbara, Hugentobler, Urs, Ihde, Johannes, Mueller, Juergen, Richter, Bernd: Space-time reference system for monitoring global climate and for precise navigation, Mitteilungen des Bundesamtes fuer Kartographie und Geodaeisie, Frankfurt am Main, 2010, Bd. 44. - pp. 142 : Abb., z.T. farb., Lit., 2010


