



April 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:

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General Announcements

Minutes of the meeting of the IAG Executive Committee

on April 16, 9:00 - 17:30,

*Vienna University of Technology,
Institute of Geodesy and Geophysics,
Advanced Geodesy,
Gusshausstr. 27-29, 1040 Vienna,
AUSTRIA*

Present: Gerhard Beutler (GB), Michael Sideris (MS), Christian C. Tscherning (CCT), Fernando Sanso (FS), Véronique Déhant (VD), Ruth Neilan (RN), Hermann Drewes (HD), Martin Vermeer (MV), Harald Schuh (HS), Markus Rothacher (MR), József Ádám (JA), Klaus-Peter Schwarz (KPS).

Agenda:

(0) Adoption of agenda.

The agenda was approved. On the secretary general's request the agenda items (6a, 7a,b, 12a,b) were added.

(1) Result of nominations (FS)

FS reported about the outcome of the nominations. He raised the issue concerning persons, who are nominated for more than one position. The EC recommends that the nominating committee asks such candidates after the election, which position they want to take.

The EC recommends that in future one and the same person should be nominated only for one position. The EC recommends furthermore that persons who are not elected are considered, e.g., as Vice-Presidents of Commissions.

The question was raised how to handle the situation when many (more than two) persons have been nominated for the same position. This may, e.g., happen, after the consultation of the national delegates. The issue shall be discussed at a future meeting of the EC.

(2) Bomford Prize (GB)

Two excellent candidates had been nominated for the prize. A committee consisting of GB, the commission presidents, and KPS and MR recommends the Bomford prize 2007 to be given to Masato Furuya from Japan. This proposal was accepted unanimously by the EC. The EC recommends that the rules for the Guy Bomford prize and the Levallois prize shall be revised at the EC meeting in Perugia (the modified version shall be included in the Geodesist's handbook 2008).

(3) Levallois Medal (FS/GB)

The Levallois committee, headed by Fernando Sanso and consisting of the past presidents of IAG suggested that C. Christian Tscherning should receive the Levallois medal 2007. It was, however, stated that it should remain an exception to give the prize to "IAG insiders" like past presidents or past secretaries general. The concern was raised that past presidents might now queue up for the medal ... at least those past presidents (and the current president) attending the meeting pointed out that this should not be an immediate danger.

The IAG EC accepted unanimously the proposal of the Levallois Committee.

(4) Best paper award 2006 (CCT/WF).

Since a nomination was not available at the meeting, it was decided to vote on the expected nomination by the JoG editor in chief using e-mail.

(5) GGOS (MR)

The reference document "GGOS2020" (currently 160+ pages) hopefully will be available for the IAG General Assembly in Perugia.

A shorter strategy document, based on this reference document, may become available later on. The report presented by MR contained a table of content of the reference document GGOS2020. It was pointed out that the document might be rather inclined towards the geometric part, but should also take into account the gravimetric aspects of the geodetic reference systems.

MR also agreed to prepare a draft resolution on GGOS to be presented to the IAG Council in Perugia. This resolution should, if possible, be raised to the status of an IUGG resolution.

It was also recommended that the IAG EC should receive copies of the next version of the draft reference document to be able to comment on the document. Comments from the gravity community are in particular encouraged.

The future of GGOS was then discussed. It was decided that GGOS should no longer be considered as a Project for the time period 2007-2011, but as IAG's observing system, i.e. a new entity on the level of commissions and services. This decision had implications on the revision of the IAG statutes and byLaws (see next item). It is, however, clear that the years 2007-2011 will be the years transforming GGOS from its current status into the fully deployed observing system.

HS pointed out that new IAG projects may and should be considered in future.

(6) Statutes and By-Laws (KPS)

KPS, chair of the review committee, made the proposed changes available prior to the meeting, see http://www.gfy.ku.dk/~iag/IAG_Statutes_-_final.Feb26-2.pdf
http://www.gfy.ku.dk/~iag/IAG_Bylaws_-_Restructured_vs_original.Feb26.pdf

The proposals were reviewed and revised after intensive discussions. The revised proposals will be sent to the Council for final consideration in Perugia. KPS agreed to prepare the final version. Still open is the issue of the membership benefits, the list of which must be reviewed in the near future.

The statutes and byLaws were modified "in real time" to include GGOS as IAG's observing system. It was in particular decided that the Chair of GGOS should be appointed by IAG EC and that, apart from this restriction, GGOS should be given the opportunity to develop its terms of reference very much like the IAG services. The GGOS terms of reference then have to be submitted to the IAG EC, which then has to approve them.

(6a) Peer-Review of IAG Symposia.

FS proposed to include the statement "the IAG symposia series is peer reviewed" into the IAG byLaws.

(7) IUGG07: The IAG meetings and activities

Christian Tscherning presented the current status of planning of the IAG-related events in Perugia. From now on, the current version will be available under http://www.gfy.ku.dk/~iag/IAG_program_07_rev6.pdf.

The lay-out of the program and social activities were reviewed. Several convenors had difficulties in accessing the LOC web-site.

(7a) Letter by Peiliang Xu concerning the involvement of ICCT in Perugia.

An offer made by CCT to ICCT to have a session for the discussion of ICCT issues at the IUGG2007 had been made, but was declined. However, it will be made again.

Despite the fact that the ICCT-Co-Convenors have not had appropriate access to the program of the IAG symposia on the Web, several of the co-convenors have worked with the convenors from the commission. The EC is convinced that Peiliang Xu (and possibly the ICCT) reacted, not knowing that the interaction with the Local Organizing Committee in Perugia (concerning the organization of the IAG symposia) only started in March 2007 and was/is rather problematic). A letter to Peiliang Xu will be drafted by GB in the near future.

(7b) Appointment of IAG fellows at IUGG2007.

Fellows to be appointed will be asked to become individual members of IAG. The certificate will be given to the new fellows at the closing session. The IAG EC expects that fellows are also IAG members.

(8) Sponsorship for symposia (CCT).

No new requests were made.

(9) Travaux (JA/CCT).

All entities must submit a contribution. The entities within a commission will be collected by the commission president. The contributions from the services will be collected by the COB.

(10) IAU Resolutions B1 and B2 (VD).

VD presented the background for the IAU (International Astronomical Union) resolutions based on material from N.Capitaine (IAU). VD agreed to prepare the corresponding draft IUGG resolution(s) to be presented to IUGG adopting the IAU resolutions. The resolution text from IAU is available under

http://www.iau.org/fileadmin/content/pdfs/IAU2006_Resol2.pdf
http://www.iau.org/fileadmin/content/pdfs/IAU2006_Resol1.pdf

(11) Next IAG EC meeting

The next meeting of the IAG EC is scheduled for July 2, 9-12:30, Perugia.

(12) AOB.

(12a) Springer copyright policy.

Springer Verlag has digitized Journal of Geodesy and old issues of Bulletin Géodésique. As a consequence older issues have been copyright by Springer without the IAG agreement. Springer shall be asked to provide more copies of the journal in digital form.

(12b) International Centre for Earth Tides (ICET):

A call for hosting the center has been prepared and will be distributed by the COB with a deadline of June 1, 2007. A decision can then be made in Perugia after recommendation by the SC 3.1.

The IAG president thanked Harald Schuh and his crew for hosting the meeting, in particular for organizing the meeting room, for offering/organizing coffee and and lunch. The meeting was adjourned at 17:30.

respectfully submitted

C.C.TSCHERNING, Secretary General

IAG Central Bureau: Announcement of Opportunity

April 12, 2007.

The International Association of Geodesy (IAG) is informing all concerned scientists and research Institutes that the post of Director of the “International Centre for Earth Tides” (ICET) will become vacant on January first 2008. ICET is one of the IAG Services integrated inside the “International Gravity Field Service” (IGFS). ICET is a member of the Federation of Astronomical and Geophysical Data Analysis Services (FAGS) and a World Data Center.

Interested persons will find in the following document an overview of the responsibilities and activities of ICET. More information can be found on the ICET WEB site <http://www.astro.oma.be/ICET>, or obtained directly from the ICET Director Prof. Bernard Ducarme (ducarme@oma.be).

An application letter should be sent to Prof. Carl Christian Tscherning, IAG General Secretary, (e-mail: iag@gfy.ku.dk) with a description of the long term project foreseen for ICET and the commitment of its new host institution. A copy should be sent to Prof. Gerhard Jentzsch (Gerhard.jentzsch@uni-jena.de), President of ICET Directing board. The proposal should be submitted before **June 1st 2007**.

ICET terms of reference

The terms of reference of the International Centre for Earth Tides (ICET) can be summarised as follows:

- *to collect all available measurements on Earth tides, as World Data Centre;*
- *to evaluate these data by convenient methods of analysis in order to reduce the very large amount of measurements to a limited number of parameters which should contain all the desired and needed geophysical information;*
- *to compare the data from different instruments and different stations distributed all over the world, evaluate their precision and accuracy from the point of view of internal errors as well as external errors;*
- *to help solving the basic problem of calibration by organizing reference stations or realizing calibration devices;*
- *to fill gaps in information and data;*
- *to build a data bank allowing immediate and easy comparison of earth tides parameters with different Earth models and other geodetic and geophysical parameters ;*
- *-to ensure a broad diffusion of the results and information to all interested laboratories and individual scientists.*

Main activities

These goals are achieved essentially by the diffusion of information and software, the data processing, the training of young scientists and the welcome of visiting scientists.

ICET has also a long term “Research Project”. Since 1997, ICET is fostering the development of the “Global Geodynamics Project” (GGP), a permanent network of superconducting gravimeters able to observe inertial and gravitational accelerations at the surface of the Earth from seismic periods up to polar motion. ICET has an agreement with the GeoForschungZentrum (GFZ) Potsdam for the administration of the GGP data base and is responsible for preprocessing and analyzing the tidal data. It represents 90% of the incoming data.

ICET is publishing each year at least one issue the “Bulletin d’Information des Marées Terrestres (BIM)” with original scientific papers. Besides general information including historical aspects and ICET reports, the ICET WEB site gives access to:

- the general bibliography on Earth Tides from 1870-1997;
- the table of content of all the BIM issues, and starting from BIM 133, year 2000, an electronic version of the papers;
- various tidal analysis and preprocessing software available from different WEB sites or on request from ICET;
- various products.

More details on the ongoing activities can be found on the management section of the WEB site.

Requirements

The ICET Director has to be a scientist able to devote a part of his activity to ICET. The task can be shared with other scientists. A scientific expertise in Earth tides is required. Technical support is required for the data reduction and analysis, the ICET and GGP data base maintenance and the updating of the ICET WEB site. From our experience there is enough work for a full time technician, depending of course of the number of involved scientists.

This staff has to be fully supported by the host Institution. Additional costs, such as the publication of the BIM, have also to be supported by the host institution, as ICET is only receiving a slight financial support through the Federation of Astronomical and Geophysical data analysis Services (FAGS). Figures concerning the yearly expenses can be found in the annual reports (see management section on the WEB site).

The applicants should submit a business plan including:

- a presentation of the Director and his staff;
- a budget;
- a planning of activities for the following years;
- a formal commitment of the responsible of the Institute.

C.C.TSCHERNING,
IAG Secretary General.

Preliminary program and Draft Council Agenda of IAG for IUGG XXIV General Assembly Perugia

IAG General Assembly at IUGG XXIV 2007, Perugia Italia, July 2-13, 2007.

JGS001 Ocean Circulation and contributions from new satellite missions (IAPSO)

JGS002 Global sea-level change: Altimetry, GNSS and tide gauge measurements (IAPSO)

JGS003 Earthquake and Volcano Geodesy (IASPEI, IAVCEI)

JGS005 Observations of the Cryosphere from Space (CCS, IAMAS, IAPSO, IAHS, CliC)

Week 1	Monday 2	Tuesday 3	Wednesday 4	Thursday 5	Friday 6	Saturday 7
Lecture	Union		EC	Union	EC	
Week 1	EC	GS001	GS005	GS001	GS004	
Morning		GS002	GS002	GS002	GS003	
Week 1	Council	U 03: Global	GS001	JGS001	JGS002	
afternoon	Opening	Observations	GS002	GS004	GS004.	
		GS002				
Evening	IUGG		IAG			
	Opening		Reception			
Week 2	Monday 9	Tuesday 10	Wednesday 11	Thursday 12	Friday 13	
Lecture		Union			Union	
Week 2	GS003	JGS003				
morning	JGS005					
Week 2	GS003	JGS003				
afternoon	JGS005	Closing				
Evening	Council	New EC				
	IAG					
	Dinner					

last update 2007-03-08

Draft COUNCIL AGENDA 2007.

Monday, July 2, 2007, 14.30 - 15.00

Subject and Responsible:

1. Welcome, greetings to delegates. GB/CCT
2. Perugia Organisation GB/CCT
3. Change of Statutes and By-Laws (KPS)
4. Appointment of Audit Committee CCT
5. Appointment of Resolution Committee GB
6. IAG Budget Proposal 07 - 11 CCT
7. Information on IAG awards GB (Levallois Medal, Bomford Prize)
8. Review of election procedures and results. FS (This is followed by the opening session and a reception).

Monday, July 9, 2007, 19 - 21.

Subject and Responsible

1. Report of audit committee. AC
2. IAG Budget Approval. CCT
3. IAG Representatives. CCT
4. Venue of Scientific Assembly 2009. GB.
5. Adoption of changes to statutes and by-laws. KPS/GB.
6. Approval of continuation or establishment of Inter Commission Committees and/or projects.
7. Resolutions. GB

GB=Gerhard Beutler, CCT=C.C.Tscherning, KPS=Klaus-Peter Schwarz, FS=F.Sansò

IAG BUREAU

Report of SC1.2 for the next General Assembly of IAG

The report of Commission 1 (Reference Frames), Sub-Commission SC1.2 (Global Reference Frames) is being prepared for the next General Assembly of IAG. Should you have any input to the above report please send it directly to the SC President Claude Boucher.

Meeting Announcements

Early Registration Deadline for IUGG General Assembly

Please note that registrations are now being accepted, the form is available on line. The deadline for early registration and accommodation bookings is **30 April**. That deadline is firm and cannot be changed.

The Website for the Perugia General Assembly: www.iugg2007perugia.it.

EUREF 2007 Symposium

The EUREF 2007 Symposium of the IAG Reference Frame Sub commission for Europe (EUREF) will be held 6th to 9th June 2007 in London.

More information at <http://www.ordnancesurvey.co.uk/oswebsite/gps/euref2007/>.

JOÃO AGRIA TORRES
Chairman of EUREF

GPS/VLBI/SLR Networks and Geosciences Applications session in AOGS Assembly 2007

Space Geodetic Techniques (GPS, SLR, VLBI, etc) are the one of the important data sources in Geosciences. A "GPS/VLBI/SLR Networks and Geosciences Applications" session will be held at the 4th Asia Oceania Geosciences Society (AOGS) Assembly in Bangkok on 30 July - 4 August 2007 (<http://www.asiaoceania.org/aogs2007/>).

SE01: GPS/VLBI/SLR Networks and Geosciences Applications

Now the accuracy achieved by ground-based and space-based geodetic techniques enables the characterization of a broad range of Earth sciences. Increasingly GPS/SLR/VLBI networks in Asia-Oceania areas have been conducted in close cooperation with international scientific organizations, such as the International GNSS Service (IGS), International Laser Ranging Service (ILRS), international VLBI service (IVS) and new efforts such as the GGOS (Global Geodetic Observing System of the International Association of Geodesy). These networks can provide new insights for geosciences and hazards monitoring, such as crustal deformation, Earth Rotation, Atmospheric environment monitoring and land subsidence etc. This session welcomes all GPS/SLR/VLBI techniques issues/developments and their Networks applications, etc.

JAMES PARK
Space Geodesy Division
Korea Astronomy and Space Science Institute

GNSS Base Station Installation and Data Processing Training Course

Regional Centre for Mapping of Resources for Development (RCMRD), Nairobi, Kenya, 30 July - 10 August 2007

GNSS/GPS data users have greatly increased in the last few years. However in Africa there is lack of GNSS base stations that could enhance the application and use of GNSS data. Furthermore in Africa, there is no uniform geodetic reference system making maps not compatible and sharing of map information difficult. To overcome these difficulties the AFREF project was initiated by the United Nations for Economic Commission for Africa (UNECA) in 2005.

When fully implemented, AFREF will consist of a network of continuous, permanent GNSS/GPS stations such that a user anywhere in Africa would have free access to the generated data.

The purpose of the course is to provide technical skills in base station installation, data handling and dissemination and precise analysis using scientific GNSS processing software. The qualifying participants shall be Land surveyors, Geodesist, Engineers, Cartographers from African countries with experience in Global Navigation satellite System (GNSS) technologies. Tuition is free but participants have to meet their traveling and accommodation costs.

Course contents

- Introduction to GNSS and IGS data and products
- Reference systems and frames
- Requirements of Continuously Operating Reference GNSS Stations (CORS)
- Operation of AFREF project
- Theory of GPS data processing
- Training with Scientific software processing

Application deadline: Applications should reach RCMRD at contacts given below latest by 16 July 2007

Contact: Dr. H.O. Farah/Mr. C.M.Kamamia
Regional Centre for Mapping of Resources for Development
P. O Box 632-00618 Nairobi Kenya
Tel.+254-20-8560227/0265/1775, Fax. +254-20-8561673/3767
Email: farah@rcmrd.org /muyack@rcmrd.org ; Web: www.rcmrd.org

Symposium on Terrestrial Gravimetry: Static and Mobile Measurements

St. Petersburg, Russia, 20 - 22 August 2007.

The meeting is being organized by Leonid Vitushkin, Chair of the Study Group 2.1 (Comparison of Absolute Gravimeters) of Commission 2. The symposium is officially sponsored by the IAG, co-sponsored by the Institute of Earth Physics of the Russian Academy of Sciences, Moscow; and the BIPM.

The topics of the conference will include the design and investigations of the measuring instruments for the absolute and relative measurement of the gravity field, their applications for terrestrial, shipboard and airborne platforms, and in the metrology of gravimetry. Traditional free-fall, superconducting, and spring-type gravimeters, gradiometers, and new technologies, such as based on atom interferometry, will be especially welcome, as will results and methodologies of static and mobile campaigns, as well as current and future networks. Geophysical interpretation of results and connection with space-borne systems are of limited interest, since the emphasis is on terrestrial (including airborne) instrumentation and methods to extract gravity field measurements for a variety of applications.

More details about the symposium will soon be available on the website of the meeting. Contact person of the Local Organising Committee is Mrs. Margarita Grishina (mgrishina@eprib.ru).

CHRISTOPHER JEKELI AND
LEONID VITUSHKIN

First International Summer School on Global Satellite Navigation 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>.

“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

24th General Assembly of the IUGG

2 - 13 July 2007, Perugia, Italy

The XXIV IUGG General Assembly will be held in Perugia from July 2nd to July 13th 2007. The conference events (sessions, workshops, lectures, symposia) will take place on the campus of the University of Perugia. The poster session and special events will take place in the historical center of the city. The deadline for early bird registration is April 15, 2007. The website of the Assembly is <http://www.iugg2007perugia.it/>.

Symposium on Terrestrial Gravimetry: Static and Mobile Measurements

20 - 22 August 2007, St. Petersburg, Russia.

The topics of the conference will include the design and investigations of the measuring instruments for the absolute and relative measurement of the gravity field, their applications for terrestrial, shipboard and airborne platforms, and in the metrology of gravimetry. Traditional free-fall, superconducting, and spring-type gravimeters, gradiometers, and new technologies, such as based on atom interferometry, will be especially welcome, as will results and methodologies of static and mobile campaigns, as well as current and future networks. More details about the symposium will soon be available on the website of the meeting.

“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/>.

IAG Related Meetings

ASMDA 2007

29 May – 1 June, 2007, Chania, Crete, Greece

The 12th International Conference on Applied Stochastic Models and Data Analysis (ASMDA 2007), which will take place in Chania, Crete, Greece (May 29 – June 1, 2007).

The ASMDA Conferences are organized every two years starting 25 years ago with the first ASMDA Symposium organized in Brussels, Belgium (1981). The papers presented are included in special volumes. The best papers appear in special issues of the leading journals of the ASMDA field. Further information at the Conference Web site: <http://www.asmda.com>.

WMSCI 2007

8-11 July 2007, Orlando, Florida, USA

The 11th World Multi-Conference on Systemics, Cybernetics and Informatics (WMSCI 2007) will take place in Orlando, Florida, USA, from July 8-11, 2007. WMSCI 2007 is an international forum for scientists and engineers, researchers and consultants, theoreticians and practitioners in the fields of Systemics, Cybernetics and Informatics. The topic of the conference is related to the area of Geographical Information Systems. March 1st is the new deadline for papers/abstracts submissions and Invited Sessions Proposals for WMSCI 2007. Visit the conference homepage at <http://www.iiis-cyber.org/wmsci2007> for further details.

CITSA 2007

12-15 July 2007, Orlando, Florida, USA

The 4th International Conference on Cybernetics and Information Technologies, Systems and Applications: CITSA 2007 jointly with the 5th International Conference on Computing, Communications and Control Technologies: CCCT 2007 will take place in Orlando, Florida, USA, from July 12-15, 2007. CITSA '07 is an International Multi-Conference being organized with the purpose of providing researchers, practitioners, developers, consultants, and end-users of computerized, communications and/or control systems and technologies, as well as their industrial and social applications in the private and the public sectors, an opportunity to join in a common place sharing experience and knowledge. The conference homepage is at <http://www.info-cyber.org/citsa2007>.

GNSS Base Station Installation and Data Processing Training Course

Regional Centre for Mapping of Resources for Development (RCMRD), Nairobi, Kenya, 30 July - 10 August 2007

GNSS/GPS data users have greatly increased in the last few years. The AFREF project was initiated by the United Nations for Economic Commission for Africa (UNECA) in 2005. The purpose of the course is to provide technical skills in base station installation, data handling and dissemination and precise analysis using scientific GNSS processing software. The qualifying participants shall be Land surveyors, Geodesist, Engineers, Cartographers from African countries with experience in Global Navigation satellite System (GNSS) technologies. Tuition is free but participants have to meet their traveling and accommodation costs. The RCMRD website is www.rcmrd.org.

4th AOGS Assembly

30 July - 4 August 2007, Bangkok, Thailand

Having hosted its Scientific Assemblies annually since 2004, Asia Oceania Geosciences Society (AOGS) Assembly has become an ideal forum for addressing to and interacting with geoscientists from all over Asia and Oceania as well as those from U.S. and Europe. There will also be a special GPS/VLBI/SLR Networks and Geosciences Applications session in AOGS Assembly 2007. The deadline of submitting abstract is 15 March, 2007. For details, please visit <http://www.asiaoceania.org/aogs2007/>.

First International Summer School on Global Satellite Navigation 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-summerschool.org>.

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>.

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/>.

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

9-10 November, 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 sixteen 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/>.

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.

IAG Sister Societies' General Assemblies

XXXth FIG General Assembly and Working Week

13-17 May 2007, Hong Kong SAR, China

The XXX FIG General Assembly and Working Week will be organised in Hong Kong 13-17 May 2007. The theme of the Working Week is Strategic Integration of Surveying Services. Conference web site is open at: www.figww2007.hk.

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>.