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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

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General Announcements

IAG 2009 Extended Final Abstract Submission Deadline

In order to get as large a turnout as possible, the IAG 2009 Local Organizing Committee decided to make one more extension to the deadline in order to make sure it has been given everyone ample time to submit an abstract.

The FINAL deadline for abstract submissions to IAG 2009 is now **6 March 2009**.

IAG2009 LOCAL ORGANIZING COMMITTEE

Summary of the Fourth Meeting of the IAG Executive Committee 2007 – 2011

Place: *Olympic Room, Westin Hotel, 50 Third Street, San Francisco, California 94103, USA*

Time: *Sunday, 14 December, 2008, 15:30 – 16:45*

Attendees (voting): M. Sideris (IAG President), C. Rizos (IAG Vice-President), H. Drewes (IAG Secretary General), G. Beutler (Immediate Past President), Z. Altamimi (President Commission 1), Y. Fukuda (President Commission 2), M. Bevis (President Commission 3), S. Verhagen (President Commission 4), M. Rothacher (Chair of GGOS), S. Kenyon, R. Neilan, H. Schuh (Representatives of the Services), K. Heki, R. Wonnacott (Members at Large)

Guest: H.-P. Plag (Vice-chair of GGOS)

Regrets: J. Ádám (President of the COB), N. Sneeuw (President ICC on Theory)

Summary of Agenda Items

1. Welcome and adoption of agenda

The meeting followed a joint session of the GGOS Steering Committee with the IAG Executive Committee. *M. Sideris* welcomed the members of the IAG EC (14 out of 15 voting members) and one guest. He thanked the GGOS SC for facilitating the joint meeting with the IAG EC and *H.-P. Plag* for the organization of the GGOS meeting. The agenda was unanimously adopted.

2. Brief review of the joint IAG EC - GGOS SC meeting

The joint meeting of the GGOS SC with the IAG EC had taken place in the morning of the same day (14 December 2008) in the same room. Since all the EC members were present in the morning meeting, there were no comments and no requests to discuss the topic further. The minutes of the joint meeting will be prepared by the GGOS Executive Committee.

3. Approval of the new GGOS Terms of Reference

The GGOS Terms of Reference (ToR) were an agenda item of the joint meeting in the morning. There were various corrections and comments by several EC members. *M. Sideris* pointed out that changing the ToR requires the approval by two third of the GGOS Steering Committee members, and they become effective after the adoption of the IAG Executive Committee. They were unanimously accepted.

4. Status and planning of the IAG Scientific Meeting, Buenos Aires 2009

H. Drewes reported, as the Assembly secretary, on the status of the preparation of the IAG Scientific Meeting 2009. He mainly referred to the second circular, which is available at the meeting's homepage (<http://www.iag2009.com.ar/>) and will not be mailed out. The homepage was in general assessed as good. Comments of the geodetic community concentrate on the high price for the hotel reservation offered by the

organizers. The chair of the Scientific Committee, *S. Kenyon*, pointed to the scientific programme and the deadline for abstracts (31 January 2009).

5. IAG Mid-Term Reports (Travaux de l'AIG) due before the Scientific Meeting

H. Drewes explained the procedure of the Mid-Term Reports, traditionally known as the “Travaux de l'AIG”. They shall describe the progress of the work of IAG components and sub-components, and will be discussed at the EC meeting during the Scientific Assembly as the basis for decisions to continue or to terminate Projects, Study and Working Groups. A template will be sent to the Presidents and Chairs of components and sub-components by the Secretary General. The deadline is 30 June 2009. There was a general consensus to have printed copies on request. They will be prepared by the IAG Office.

6. Young Author's Awards 2007 and 2008

The Young Author's Award is granted to scientists of 35 years of age or younger according to the IAG rules (http://iag.dgfi.badw.de/fileadmin/IAG-docs/IAG_Young_Author_Award.pdf) for excellent publications in the Journal of Geodesy (JoG). The award consists of a certificate and prize money of US \$1000. Presentations of the awards are made at each IAG General Assembly and each Scientific Assembly. Up to two awards can be presented on each occasion for the two-year period corresponding to the annual volumes. The Secretary General will forward the proposal of the JoG Editor in Chief to the EC for selection of the award by e-mail. (*Remark: A list of three candidates for the award was sent to the SG in January 2009*). *M. Sideris* mentioned a proposal to make the award paper available for free download by Springer. The SG will investigate if this is possible.

7. IAG representatives to IUGG Commissions

There were two IAG representatives to external bodies to be nominated. *N. Sneeuw* sent a mail to the SG with the proposal to elect Dr. *Shin-Chan Han* as the representative to the IUGG Committee on Mathematical Geophysics. It was unanimously adopted. Other overdue nominations were for the “Ad hoc Committee on Risk and Disaster Management” of the Joint Board of Geospatial Information Societies (JB GIS) and the IUGG Commission on Geophysical Risk and Sustainability (GEORISK). There was a general consensus that the two representations should be taken by one person. The decision had been delegated to GGOS. There were two candidates. The decision shall be made by e-mail vote. *Z. Altamimi* informed the EC that the IAG representative to the International DORIS Service (IDS), *M. Otten*, is a full member of the IDS Governing Board.

8. Adoption of IAG Symposia

There were two applications for adoption of conferences as IAG Symposia: The IVS General Meeting 2010 proposed by *H. Schuh* was unanimously accepted without vote, because IVS is an IAG component. For the Hotine-Marussi Symposium proposed by *F. Sansò*, more information was requested although there should be no problem with its approval as it is being organized by the ICCT. *S. Kenyon* informed the EC about the planned 2nd IGFS meeting in 2010 in Alaska.

9. Any other business

M. Sideris reported on a proposal by *L. Vitushkin* for a terrestrial gravimetry meeting in 2010 in St. Petersburg, possibly accompanied by a Geoid School.

H. Schuh informed the EC about the resolution of the Earth Tides Symposium, Jena 2008, to rename the Sub-commission 3.1 “Earth Rotation and Earth Tides” only “Earth Tides” without “Earth Rotation”. It was stated that, according to the IAG Bylaws, the official name can only be changed by the IAG Executive Committee upon application.

H. Drewes informed the EC that the Geodesist's Handbook has appeared in a printed version as the Journal of Geodesy Vol. 82, No. 11, in November 2008, and online at the Springer-link <http://www.springerlink.com/content/g871027876718412/fulltext.pdf>. An updated version will be maintained at the IAG Office homepage (<http://iag.dgfi.badw.de/>).

J. Adam had submitted a written report on the activities of the COB, in particular the IAG Newsletters, the update of the IAG Website, the large IAG Brochure to be ready soon, and the work finalizing The Geodesist's Handbook 2008.

M. Sideris mentioned some complaints of IAG members who have not received confirmation of their payments in due time. He asked the IAG Office to speed up the answers. *H. Drewes* explained that there is a long time delay (up to months) in receiving clearance by Credit Card Agencies, which has to be done before a confirmation can be sent to the payer.

H. Drewes reminded the EC that there are travel awards available for young scientists presenting papers at IAG scientific meetings. For the Scientific Assembly 2009 there is an additional IUGG grant of US \$2000. The Scientific Committee will be approached for decisions on the grants.

H. Schuh brought forward the low impact factor of the Springer IAG Symposia series, i.e., the index of citations to science journals. It is even not listed in the SCI-Index. He proposed to discuss with Springer how to get it into the list.

S. Kenyon informed the EC about the status of the establishment of an IGFS Central Bureau. There will be a Call for Participation in January 2009. *M. Sideris* proposed to have a status report by the IGFS Chair on the agenda of the next EC meeting.

C. Rizos reminded the EC about the writing of the GGOS strategy document. The authors are *M. Sideris*, *M. Rothacher* and *C. Rizos*. It will be revised by the IAG past presidents, *G. Beutler* will organize the review (see minutes of the 3rd EC meeting, topic 4).

10. Next IAG EC meeting

The next IAG EC meeting shall be held the day before the inauguration of the IAG Scientific Meeting in Buenos Aires, Argentina, Sunday, 30 August 2009.

11. Adjourn

M. Sideris thanked the participants for coming and for their contributions and closed the session at 4:45 p.m.

Respectfully submitted
HERMANN DREWES, SECRETARY GENERAL

Meeting Announcements

EOGC2009

2nd International Conference on Earth Observation for Global Changes
25–29 May 2009, Chengdu, China

EOGC2009 Topics:

- International Earth Observation Efforts on Global Change Studies
- Remote Sensing of Land Use and Land Cover Change (LULCC)
- Remote Sensing of Coastal and Marine Ecosystems
- Remote Sensing of Snow and Ice
- Remote Sensing of the Polar Environment
- Monitoring Eco-Environmental Changes in the Qinghai-Tibetan Plateau
- Observing Global Change by Geodetic Techniques
- Environmental Monitoring by the Global Geodetic Observing System (GGOS)
- Earth Observation for Natural Hazards Monitoring and Assessment
- Geospatial Data Processing and Integration for Change Detection

2nd Announcement and Call for Papers is available from <http://www.eogc2009.com.cn/>.

Important Dates

- Abstract submission: December 1, 2008
- Full paper submission: January 15, 2009
- Registration: April 1, 2009
- Pre-Conference workshops: May 25, 2009

XIANFENG ZHANG
(Conference Secretariat)
Peking University

Training School on GIA Modelling

June 1-5, 2009, Gävle, Sveeden

The main objective of this Training School is to give early-stage researchers whose principal area of expertise is not in Glacial Isostatic Adjustment (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 organized by the COST action ES0701 "improved constraints on models of GIA" but is open to everyone with relevant interest and background.

See <http://www.cost-es0701.gcparks.com/index.php/activities/training-schools> for further information and registration. Deadline: **March 31**.

DR. MARTIN LIDBERG
Chair, NKG W.G. for Geodynamics

VII Hotine-Marussi Symposium 2009 on Theoretical Geodesy

6–10 July 2009, Rome, Italy, Sapienza Università di Roma

Scientific Organization Committee:

- Nico Sneeuw
- Pavel Novák
- Fernando Sansò
- Study group chairs and steering committee members of IAG InterCommission Committee on Theory (IAG-ICCT)

Local Organization Committee:

- Mattia Crespi, G. Colosimo, F. Fratarcangeli, A. Mazzoni, F. Pieralice

The main goals of the Symposium are aligned with the objectives of the ICCT:

- advances in theoretical geodesy
- developments in geodetic modelling and data processing, in the light of the recent advances of the geodetic observing systems
- connections and contribution exchanges between geodesy and other Earth sciences

In particular, **all the topics regarding the activities of the ICCT Study Groups are of interest** and related papers are strongly encouraged:

- theory, implementation and quality assessment of geodetic reference frames
- quality of geodetic multi-sensor systems and networks
- configuration analysis of Earth oriented space techniques
- inverse theory and global optimization
- satellite gravity theory
- InSAR for tectonophysics
- temporal variations of deformation and gravity
- towards cm-accurate geoid - theories, computational methods and validation
- application of time-series analysis in geodesy

The first circular letter is available from http://w3.uniroma1.it/Hotine-marussi_Symposium_2009/Circulars.asp. The website http://w3.uniroma1.it/Hotine-marussi_Symposium_2009/ have been set up with additional information on the Symposium. Deadline for Abstract submission is **March 30, 2009**.

SCIENTIFIC AND LOCAL ORGANIZING COMMITTEE

Geodesy for Planet Earth

IAG 2009 Scientific Assembly, Buenos Aires, Argentine, August 31 to September 4, 2009



2nd Circular is reachable through the webpage of the conference www.iag2009.com.ar.

Important Dates

- The **FINAL** deadline for abstract submissions to IAG 2009 is now **6 March 2009**.
- End of Early Registration: March 31st, 2009
- Notification of Abstract Acceptance: March, 2009
- Deadline for accommodation booking at Intercontinental Hotel (Special Rate): March 31st, 2009
- Third Circular: June, 2009
- Deadline for Submission of Full-Papers Manuscripts: September 30th, 2009

LOCAL ORGANIZING COMMITTEE

IAG Sponsored Meetings

EOGC2009

May 25-29, 2009, Chengdu, China

The Second International Conference on Earth Observation for Global Changes (EOGC2009) will take place in Chengdu, China, 25-29 May 2009. Knowledge about changes to the Earth's surface and the underlying processes that induce them has enormous impacts on how society responds to these changes. With its remarkable progress in the past decade, Earth observation technology has been playing a crucial role in studies on global changes. EOGC2009 promises to bring together a broad range of scientists, researchers, students, and practitioners worldwide in leading academic institutions and government and industrial laboratories, to enjoy a week of technical sessions, tutorials, exhibits and social activities. Please visit <http://www.eogc2009.com.cn/> for details.

VII Hotine-Marussi Symposium 2009 on Theoretical Geodesy

6-10 July 2009, Rome, Italy, Sapienza Università di Roma

The main goals of the Symposium are advances in theoretical geodesy, developments in geodetic modelling and data processing in the light of the recent advances of the geodetic observing systems, connections and contribution exchanges between geodesy and other Earth sciences. The first circular letter is available from http://w3.uniroma1.it/Hotine-marussi_Symposium_2009/Circulars.asp. The website http://w3.uniroma1.it/Hotine-marussi_Symposium_2009/ have been set up with additional information on the Symposium.

Geodesy for Planet Earth

IAG 2009 Buenos Aires

August 31 to September 4, 2009

The International Association of Geodesy Scientific Assembly IAG2009 that will be hosted by the IUGG National Committee together with the Argentine Association of Geophysics and Geodesy, will take place in the city of Buenos Aires. IAG2009 will be an event that covers the whole of geodesy in an exciting social environment that extends our knowledge, improves our practice, and widens our friendship networks. Following the long outstanding tradition of these scientific assemblies, IAG2009 will be a major scientific event, bringing together geodesists from all over the world, and demonstrating the vital role that geodesy plays in our society. This will be the main geodetic meeting in 2009. 2nd Circular is reachable through the webpage of the conference www.iag2009.com.ar.

IAG Related Meetings

Workshop on GNSS Interoperability

March, 2-3, 2009, Munich, Germany

On 2-3 March 2009, immediately preceding the Munich Satellite Navigation Summit 2009, the working group on compatibility and interoperability of the International Committee on GNSS (ICG) will convene a workshop involving system providers, equipment manufacturers, and the user community focused on the interoperability of global and regional navigation satellite systems and augmentations from the user's perspective. For more information please visit <http://www.oosa.unvienna.org/oosa/en/SAP/gnss/icg/meetings.html>.

Munich Satellite Navigation Summit 2009

March, 3-5, 2009, Munich, Germany

The Munich Satellite Navigation Summit 2009 – the seventh one, to be held March 3-5, 2009 in the famous “Residenz München”, Germany – has been established as the European and International conference with global impact featuring invited high-ranking worldwide speakers from industry, science and governments dealing with the directions of satellite navigation now and in the future. Emphasizing a future trend in satellite navigation, this year's Summit will focus on special sessions on safety and security, in particular also on the use of the Galileo Public Regulated Service (PRS). Please visit <http://www.munich-satellite-navigation-summit.org/Summit2009/> for details.

INTED2009

March 9-11, Valencia, Spain

The annual edition of INTED2009 will be held in Valencia (SPAIN), on the 9th, 10th and 11th of March, 2009. The objective of INTED2009 is to share your experiences in the fields of Technology, Education, Development and International Collaboration. It is an International Forum for lecturers, researchers, professors, engineers, educational scientists and technologists. For more information visit www.iated.org/inted2009.

SAT Expo Europe

March 19-21, 2009, New Rome Fair, Italy

The second edition of SAT Expo Europe, the international exhibition dedicated to Space services and applications, will take place from the 19th to the 21st of March at the New Rome Fair, Italy. The Galileo System will be one of the main protagonists of SAT Expo Europe 2009 with two conferences: one dedicated to Galileo, the current state of the projects and programmes of Mediterranean cooperation, and the second one to UAV programmes, with the participation of representatives and decision-makers of the European and Foreign Space Institutions. The website of the Expo is <http://www.satexpo.it/en/>.

ASEE Spring 2009 Northeast Conference

April 3-4, 2009, Connecticut, USA

The Spring 2009 Northeast ASEE Conference will be held on April 3-4, 2009 at the University of Bridgeport, Bridgeport, Connecticut, U.S.A. This year's conference theme is: Engineering in the New Global Economy. The deadline for abstract submission is February 27th, 2009. Prospective authors are invited to submit their abstracts online through the conference website at <http://www.asee2009online.org>.

EGU General Assembly 2009

April 19-24, 2009, Vienna, Austria

The EGU General Assembly 2009 will bring together geoscientists from all over Europe and the rest of the world into one meeting covering all disciplines of the Earth, Planetary and Space Sciences. Especially for

young scientists the EGU appeals to provide a forum to present their work and discuss their ideas with experts in all fields of geosciences. The Abstract submission deadline is 13 January 2009. Detailed information is available from the following webpage: <http://meetings.copernicus.org/egu2009/>.

FIG Working Week 2009

May 3-8, 2009, Eilat, Israel

The FIG Working Week 2009 will take place in Eilat, a resort city at the southernmost edge of Israel, on the shores of the Red Sea. The Working Week be held on 3-8 May 2009. The Working Week will gather international professionals and academia members from the fields of land surveying, land and real-estate appraisal, GIS, spatial planning, environmental awareness, and civil engineering. Please visit www.fig.net/fig2009 for details.

230th Anniversary of MIIGAik

May 25-29, 2009, Moscow, Russia

An International Conference on Geodesy, Cartography and Cadastre in the 21st century is to be held within the framework of celebrating the 230th Anniversary of Moscow State University of Geodesy and Cartography (MIIGAik) on May 25-29, 2009, Moscow, Russia. The webpage of the Conference is <http://230.miiigaik.ru/>.

Training School on GIA Modelling

June 1-5, 2009, Gaevle, Sveden

The main objective of this Training School is to give early-stage researchers whose principal area of expertise is not in Glacial Isostatic Adjustment (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 organized by the COST action ES0701 "improved constraints on models of GIA" but is open to everyone with relevant interest and background.

See <http://www.cost-es0701.gcparks.com/index.php/activities/training-schools> for further information and registration. Deadline **March 31**.

SGEM 2009

June 14-20, 2009, Albena Resort, Bulgaria

The International Multidisciplinary Scientific Geo-Conference & EXPO – SGEM 2009 will bring together researchers, educators, and practitioners representing research and educational institutions, companies, government agencies and consulting organizations from all over the world to exchange ideas, to define the research priorities and to propose potential solutions of the problems related to the new reality of global changes. The deadline for abstract submission is 31 March 2009. The webpage <http://www.sgem.org> contains additional information.

TRANS-NAV 2009

June 17-19, 2009, Gdynia, Poland

The upcoming 8th International Navigational Symposium on "Marine Navigation and Safety of Sea Transportation" TRANS-NAV 2009 is organised jointly by the Faculty of Navigation, Gdynia Maritime University and The Nautical Institute from 17 to 19 June 2009 in Gdynia, Poland. The Conference website is <http://transnav.am.gdynia.pl>. The Symposium is addressed to scientists and professionals in order to share their expert knowledge, experience and research results concerning all aspects of navigation, safety of navigation and sea transportation.

CCCT 2009

July 10-13, 2009, Orlando, Florida, USA

The 7th International Conference on Computing, Communications and Control Technologies: CCCT 2009 (<http://www.2009iisconferences.org/CCCT>) will take place in Orlando, Florida, USA, on July 10th - 13th, 2009. CCCT Conferences are yearly events intended to serve as an encounter point for Computer, Communications and Control Technologies researchers, practitioners, consultants and users who have been interchanging ideas, research results and innovations in the mentioned areas and other related topics. The deadline to submit a paper/abstract is November 12th, 2008.

SPACOMM 2009

July 20-25, 2009, Colmar, France

The First International Conference on Advances in Satellite and Space Communications will be held in Colmar, France, July 20-25, 2009. The Conference webpage <http://www.iaria.org/conferences2009/SPACOMM09.html> provides further details.

6th International Symposium on Mobile Mapping Technology – MMT'09

July 21-24, 2009, Presidente Prudente, São Paulo, Brazil

The 6th International Symposium on Mobile Mapping Technology “Mobile Mapping Serving the Information Society” will take place in Presidente Prudente, São Paulo, Brazil, July 21-24, 2009. The main objective of the conference is to discuss the most recent technology and its application, to exchange experiences and to promote future research aiming at the development and the production in the fields related to mobile mapping. You may want to check out the website <http://www.fct.unesp.br/eventos/simposio/mmt09/ingles> to get preliminary information on MMT'09.

6th International Symposium on LBS & TeleCartography

September 2-4, 2009, Centre for Geospatial Science, University of Nottingham, UK

The symposium will bring together experts from around the world to present the latest research results and developments with focus on Location Based Services in the fields of Cartography, Geoinformation, Computer Sciences, Telecommunication, Geodesy, and Geomedia Techniques. For further information see: <http://www.lbs2009.org/>.

ION GNSS 2009

September 22-25, 2009, Georgia, USA

The Institute of Navigation's GNSS 2009 (technical sessions and exhibits) will be held at the Savannah International Convention Center, Savannah, Georgia. Pre-conference tutorials will be held in Savannah on September 21-22. See the ION website (www.ion.org) for details.

IAG Sister Societies' General Assemblies

Associations' Scientific Assemblies of the IUGG

- IUGG/IAGA, August 23-30, 2009, Sopron, Hungary
- IUGG/IAHS, September 7-12, 2009, Hyderabad, India
- IUGG/IAG, August 31-September 4, 2009, Buenos Aires, Argentina
- IUGG/IACS-IAMAS-IAPSO, July 19-29, 2009, Montreal, Canada