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Information Service of the International Association of Geodesy

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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

IAG Young Author Award 2005



The winner of the IAG Young Author Award 2005 is Mr. **Roland Pail** for his paper:

A parametric study on the impact of satellite attitude errors on GOCE gravity field recovery (*Journal of Geodesy*, Vol. 79, No. 4 - 5, pp. 231 - 241, 2005).

Roland Pail was born in Mariazell, Austria, in 1972. He studied geophysics at the University of Vienna, finishing his diploma thesis in 1995.

After working as a research associate at the Institute of Physics at the University of Bayreuth, Germany, in the framework of the DFG project “Continental Deep Drilling Project of the Federal Republic of Germany”, in 1997 he joined the Graz University of Technology as a university associate. He received his Ph.D. degree “sub auspiciis praesidentis “ at Graz University of Technology in 1999. His doctoral thesis was entitled, “Synthetic Global Gravity Model for Planetary Bodies and Applications in Satellite Gravity Gradiometry”.

After his habilitation in “Theoretical Geodesy” in 2002 (habilitation thesis: “Selected problems in the framework of the GOCE data processing”), he became assistant professor at the Institute of Navigation and Satellite Geodesy at the Graz University of Technology.

He received the Appreciation Award of the Federal Ministry of Science, Transport and Art 1996 and 1999, the Josef-Krainer-Promotion Award in 2000, and the Allmer-Löschner-Award of the Austrian Geodetic Commission in 2000.

His scientific interests are mainly in the fields of satellite geodesy, satellite gradiometry, Earth gravity field determination, synthetic Earth models and inverse problems. He has been project manager of diverse national projects and is currently work package manager of the ESA project “GOCE High-Level Processing Facility”. He is also member of several IAG study groups.

Congratulations to Mr. Pail for the award!

IAG CENTRAL BUREAU

The COSMIC satellites succesfully launched

BOULDER—A globe-spanning constellation of six satellites expected to improve weather forecasts, monitor climate change, and enhance space weather research headed into orbit on April 15. A Minotaur rocket launched the array from Vandenberg Air Force Base.

The low-orbiting satellites will be the first to provide atmospheric data daily in real time over thousands of points on Earth for both research and operational weather forecasting by measuring the bending of radio signals from the U.S. Global Positioning System (GPS) as the signals pass through Earth's atmosphere.

Called COSMIC (Constellation Observing System for Meteorology, Ionosphere and Climate) in the United States and FORMOSAT-3 in Taiwan, the \$100 million satellite network is the product of an agreement between the American Institute in Taiwan and the Taipei Economic and Cultural Representative Office in the United States. The array is based on a system design provided by the University Corporation for Atmospheric Research (UCAR).

Temperature and water vapor profiles derived from the GPS data will help meteorologists observe, research, and forecast hurricanes, typhoons, and other storm patterns over the oceans and improve many areas of weather prediction. The stability, consistency, and accuracy of the measurements should be a boon to scientists quantifying long-term climate change trends.

COSMIC's measurements of electron density in the ionosphere are expected to improve analysis and forecasting of space weather, including geomagnetic storms that can interrupt sensitive satellite and communications systems and affect power grids on the ground.

COSMIC relies on a technology known as radio occultation. Just as the water molecules in a glass change the path of visible light waves so that a pencil appears bent, molecules in the air bend GPS radio signals as they pass through (are occulted by) the atmosphere. By measuring the amount of this bending, scientists can determine underlying atmospheric conditions, such as air density, temperature, and moisture, and electron density.

"This is the first time the technique of radio occultation has been used on a large scale in real time to provide nearly continuous measurements of worldwide atmospheric conditions at all altitudes," says William Kuo, director of the UCAR COSMIC office.

SOURCE: WWW.COSMIC.UCAR.EDU

Mrs. Ruth E. Neilan has been appointed as IAG representative to ICG

IAG has appointed Mrs. Ruth E. Neilan as representative to United Nations International Committee on Global Navigation Satellite Systems (ICG). Mrs. Neilan is a member of the IAG Executive Committee.

IAG CENTRAL BUREAU

Call for Proposal – Nominations open for IAG Secretary General

The present Secretary General, C.C. Tscherning, has served for 3 periods, and cannot be re-elected. The election of a new Secretary General (SG) will take place in the spring of 2007 together with the election of other officers for the 2007-2011 period.

The commitment associated with this position is heavier than that associated with any of the other IAG executive positions. The IAG executive committee has therefore decided to separate the election of the new Secretary General from the other nominations and elections, because the election is based on a call for proposals, which have to be evaluated by the IAG Executive.

The duties of the SG are described in the by-laws, section 2.5.3, as quoted below. Since the SG will also be the director of the Central Bureau, a nomination automatically implies a commitment to host the Bureau, as well.

According to the by-laws, the SG receives no salary, but the expenses of the SG may be covered by the allocation received from IUGG. However, the funds needed for these expenses have normally exceeded the IUGG allocation, so the organization hosting the SG and thereby the Central Bureau contributes to the travel expenses of the SG and the running of the Central Bureau.

The nominated SG should be prepared to spend at least 1 full day per week on IAG matters, and the Central Bureau hosting organization should provide secretarial assistance equivalent to 2 full days per week. A nomination should therefore include information about the degree to which the hosting organization is prepared to cover, in whole or in part, the expenses of the SG and of the Central Bureau.

The proposal should be submitted to the president of the Nominating Committee, Prof. F. Sansò in electronic form. Proposals may be submitted by the adhering bodies of the member countries, officers, fellows, and members of the Association. Candidates shall be asked to signify their acceptance of nomination and to prepare a resume (maximum 150 words) outlining their position, research interests and activities relating to the Association. The proposal should also state the preparedness to host the Central Bureau, and the financial and secretarial support which may be allocated.

Proposals should be submitted before September, 15, 2006.

Extract from By-Laws:

2.5.3 The **SECRETARY GENERAL**, shall have the following duties:

- a) Serve as secretary of the General Assembly, the Council, the Executive Committee and the Bureau; arrange for meetings of these bodies, distribute promptly the agenda and prepare and distribute the minutes of all their meetings.
- b) Director of the Central Bureau.
- c) Manage the affairs of the Association, attend to correspondence, and preserve the records.
- d) Circulate all appropriate information related to the Association.
- e) Prepare the reports of the Association's activities.
- f) Perform such other duties as may be assigned to him by the Bureau.

Address of Prof. Sansò:
Prof. Fernando Sansò
Politecnico di Milano - Polo Regionale di Como
via Valleggio, 11 I-22100 Como
Tel. +39.031.332.7518
Fax +39.031.332.7519, e-mail: fernando.sanso@polimi.it

Call for Nomination for IAG positions in the period 2007-2011

To the IAG National Correspondents, IAG Individual Members, IAG Officers and IAG Fellows

Dear friends and colleagues,

after the Scientific Assembly of IAG in Cairns, our President Gerard Beutler, having taken advice from the Executive Committee (EC), has appointed a Nomination Committee (NC) to implement the procedure of elections of EC members, for the period 2007-2011.

The NC for these elections is composed by

L.P. Fortes (Brazil)
R. Rummel (Germany)
F. Sansò (Italy)
C.R. Wilson (USA)

The voting procedure, after the IAG By-Laws adopted in 2001 (http://www.iag-aig.org/index.php?tpl=text&id_c=43&id_t=19), will be carried out by Council members by mail and should be accomplished by the beginning of June 2007.

Votes will be expressed on a list of candidates, the compilation of which is the main duty of NC.

Such a list will be created in two steps:

Step 1: after the largest consultation of adhering bodies of the member countries, IAG officials, fellows and members, a preliminary list for all the available positions will be created, considering the most frequently suggested candidates;

Step 2: Council members will be informed of the preliminary list, so as to allow National Delegates to propose further candidates, according to the enclosed By-Laws. A final list is then created to be submitted to the vote of Council.

The positions to be filled in are the following:

Post	Present holder
IAG President	G. Beutler
IAG Vice-President	M. Sideris
Secretary General	C.C. Tscherning
President of Commission 1 (Reference Frames)	H. Drewes
President of Commission 2 (Gravity Field)	C. Jekeli

President of Commission 3 (Earth Rotation and Geodynamics)	V. Dehant
President of Commission 4 (Positioning and Applications)	C. Rizos
Members at large (2)	L.P. Fortes C. Merry
Service representatives (3)	R. Neilan M. Rothacher H. Schuh
President of Communication and Outreach Branch (COB)	J. Adam

Let us remember that President, Vice-President and Secretary General cannot be re-elected for the next period; in addition IAG By-Laws (1.2.1) claim “*Commission Presidents and Vice-Presidents shall serve in general for one four-year period. Re-elections are possible in exceptional cases*”.

The procedure to nominate the Secretary General and the President of the COB involves a direct negotiation with supporting institutions and as such will be directly treated by the Bureau. The nomination of Service representatives will also follow a slightly different procedure involving consultation of Service bodies.

For all the other positions (President, Vice-President, 4 Commission Presidents and 2 Members at large), as a rule, at least 2 candidates should be proposed; for this reason we require to you to send to the following address

elena.raguzzoni@polimi.it

your nomination for one candidate for each post. Of course your list doesn't need to be complete, in case you prefer so. Your list has to be submitted not later than June 30, 2006. From all the nominations, the preliminary list with 2 candidates per post will be created.

Please consider that the new election procedure has several technical advantages, but specially it has a great value in that it raises the degree of internal democracy of the International Association of Geodesy.

The participation of all members to the fundamental choices of our Association is the unique fuel that can foster an increasing will of international cooperation in our scientific work, which seems to us an essential choice in these times of strong international competition.

So please send us your answer, also considering that it is not necessary to wait the last minute; be sure that we will be happy to follow your indications.

For the Nomination Committee, the Chair,

FERNANDO SANSÒ

IAG ELECTIONS 2007

NOMINATION FORM

by _____
(name of the nominator)

Post	Name/Institution
IAG President	
IAG Vice-President	
President of Commission 1 (Reference Frames)	
President of Commission 2 (Gravity Field)	
President of Commission 3 (Earth Rotation and Geodynamics)	
President of Commission 4 (Positioning and Applications)	
Members at large (2)	

Please fill in the proper fields and send the form to the following address:

elena.raguzzoni@polimi.it

An acknowledgement message will then be sent back to you.

Meeting Announcements

VI Hotine-Marussi Symposium of Theoretical and Computational Geodesy: Challenge and Role of Modern Geodesy

Wuhan University, PR China, 29 May - 2 June 2006.

The symposium will focus on the following five topics:

1. Satellite gravity missions: open theoretical problems and their future application;
2. Earth-environmental, disaster monitoring and prevention by geodetic methods;
3. GNSS: Mathematical theory, engineering applications, reference system definition and monitoring;
4. Deterministic and Ramdon fields analysis with application to BVP, approximation theory and inverse problems; and
5. Statistical estimation and prediction theory, quality improvement and data fusion.

All scientists are welcome to attend the Symposium. http://www.sgg.whu.edu.cn/icct_hm.html.

PEILIANG XU

International Workshop "Height Systems, Geoid and Gravity of the Asia-Pacific"

Ulaanbaatar, Mongolia, June 6-8, 2006.

Organized by MonMap Engineering Services, Administration of Land Affairs, Geodesy and Cartography, and the Mongolian Academy of Science.

Sponsored by the International Association of Geodesy and the International Gravity Field Service.

Web site with meeting information: www.igfs.net.

The *International Gravity Field Service* (International Association of Geodesy) is the host organization for the "Height Systems, Geoid and Gravity" Workshop, June 6-8, 2006. The aim of the workshop is to bring together geodesists and geophysicists from the region working in the gravity field and height determination fields. The workshop will be arranged around the following topics:

- Height systems and national leveling networks
- Regional and local geoid modeling
- Airborne gravity survey
- Satellite gravity and new earth gravity field models
- Different vertical datums and dynamic reference systems

Papers for oral or poster presentations are solicited in the above areas. We also encourage presentations of ongoing and future international or national projects.

Deadlines:

Apr 15: Abstract submission deadline and deadline for travel support grants

May 5: Deadline for registration/visa invitations and housing requests

Chairman of the Scientific Committee and liason to the LOC:
RENE FORSBERG
(chairman of IGFS)
Danish National Space Center

IGeS Geoid School 2006. "The Determination and Use of the Geoid"

University of Copenhagen, June 19-23, 2006.

The new Geoid School 2006 will be organized in Copenhagen, Denmark. The Preliminary Program and the Registration Form are now available from the IAG webpage:

http://www.iag-aig.org/index.php?tpl=text&id_c=23&id_t=197

The final deadline for the Registration is 15th May 2006.

Local Organizing Committee:

C.C.Tscherning, M.Veicherts, C.Schneider Pedersen, E.Enemærke, all at Niels Bohr Institute, University of Copenhagen, Juliane Maries Vej 30, DK-2100 Copenhagen Ø, Denmark.

Phone: 004535320605, Fax: 004535365357. E-mail: geoid06@gfy.ku.dk.

Registration fee: Payment before May 15, 2006 or IAG Individual Member: Euro 300; Full registration 350 Euro. Payment cover CD with software used at the school and lecture notes.

4 IAG Travel Grants à 500 Euro available, with preference for participants from developing countries.

International workshop on quality improvement and coast-land applications of satellite altimetry

An IAG Special Group 2.3 workshop on satellite altimetry

July 21-22, 2006, Beijing, China.

Organized by Chinese Academy of Surveying and Mapping, National Chiao Tung University, and Ohio State University.

Web site with meeting information: <http://space.cv.nctu.edu.tw/altimetryworkshop/ALT2006.htm>.

This workshop is dedicated to the problems and solutions of coast and land applications of satellite altimetry in such areas as coastal gravity field modeling, coastal circulations, river level and lake level monitoring and desert study using satellite altimetry. This workshop is part of the activities of Special Group 2.3, International Association of Geodesy. The scientific committee and local organizing committee welcome world scientists interested in the these topics to participate in this workshop. The participants of this workshop are also encouraged to attend the Western Pacific Geophysical Meeting, July 24-27, 2006, Beijing (<http://www.agu.org/meetings/wp06>) to extend the discussions in a related session. Themes of the workshop are:

- methods for improving quality of coastal altimetry data
- waveform retracking for altimetry
- shallow-water tides from altimetry
- coastal gravity field modeling with altimetry
- vertical datum connection using altimetry
- land applications of altimetry
- altimetry applications and problems in polar seas
- lake level and river level changes from altimetry
- coastal circulations from altimetry
- Applications of altimetry to desert study

Submit your abstract to Xiaotao Chang at changtao@public.bta.net.cn and Cheinway Hwang at hwang@geodesy.cv.nctu.edu.tw in the word format. The deadline is *April 30, 2006*.

Chairman of the Scientific Committee:
C. HWANG
National Chiao Tung University

First Announcement - 3rd International GOCE User Workshop

November 6-8, 2006, ESA-ESRIN, Frascati, Italy.

The European Space Agency's Gravity field and steady-state Ocean Circulation Explorer (GOCE) Mission is planned for launch in 2007. This, the first of ESA's Core Earth Explorer satellite missions, and promises amongst others scientific applications in Geodesy, Solid-Earth Physics and Oceanography.

This is a preliminary announcement of the ESA's intent to hold the third in a series of International GOCE User Workshops from 6-8 November, 2006 at ESA-ESRIN, in Frascati, near Rome, Italy. This pre-launch workshop is timed to take place prior to the closure of the forthcoming GOCE Data Announcement of Opportunity (see: <http://eopi.esa.int>). It is intended to provide potential users of GOCE data products with the opportunity to obtain the latest information on satellite performance as well as details regarding ground segment operations, data products and user services. It will allow users the opportunity to learn about product specifications, and the plans for data calibration and validation. This Workshop will also offer the opportunity for users to present their planned scientific studies, prior to consolidating their GOCE Data AO proposals.

Conference proceedings are anticipated to be published as an ESA Special Publication by the ESA Publications Division, and so full scientific papers are encouraged in addition to the Workshop presentation material. The official language of the workshop is English.

Preliminary Calendar of Key Dates

- | | |
|--|--------------------|
| • First Announcement | March 2006 |
| • Second Call & Web Announcement | May 2006 |
| • Deadline for Abstract Submission | End June 2006 |
| • Notification of Acceptance and Preliminary Program | September 2006 |
| • Presentation Material for Proceedings | Mid October 2006 |
| • GOCE User Workshop | November 6-8, 2006 |
| • Deadline: Paper Submission for Proceedings | End November 2006 |

Further information on Workshop objectives and themes, as well as details for abstract and paper/poster submission, will be made available soon on the GOCE website:

<http://www.esa.int/livingplanet/goce>

and ultimately on the Workshop web site:

<http://earth.esa.int/goce06>

We look forward to welcoming you at the Workshop. Please do not hesitate to forward this announcement to colleague you believe may be interested.

The 3rd International GOCE User Workshop 2006 - Organising Committee

M. R. DRINKWATER
J. BENVENISTE
R. FLOBERGHAGEN
R. HAAGMANS
M. KERN

IAG Sponsored Meetings

3rd IAG Symposium on Geodesy for Geotechnical and Structural Engineering and 12th FIG Symposium on Deformation Measurements

22-24 May, 2006, Baden, Austria

The FIG symposia on deformation measurements and analysis have a long tradition dated back to 1975. The IAG Symposium was established in 1998 and held twice. It will be the first time that the two symposia will be held together as a joint conference. Researchers, engineers, educators, designers, manufacturers, contractors, public authorities, and other professionals are cordially invited to attend this international event. Please also visit the symposium website for further details: <http://info.tuwien.ac.at/ingeo/sc4/baden>.

VI Hotine-Marussi Symposium of Theoretical and Computational Geodesy: Challenge and Role of Modern Geodesy

29 May - 2 June 2006, Wuhan University, PR China

The symposium will be held at Wuhan University, PR China, 29 May - 2 June 2006. More information will be circulated as soon as available and can be found at the website: http://www.sgg.whu.edu.cn/icct_hm.html

Understanding Sea-level Rise and Variability WCRP Workshop

6-9 June, 2006, Paris, France

A World Climate Research Programme (WCRP) Workshop in support of the WCRP's Strategy 2005-2015 and a WCRP contribution to the Global Earth Observation System of Systems (GEOSS) UNESCO, will be held at Place Fontenoy - Paris, France. Please visit the following web site with meeting information: <http://copes.ipsl.jussieu.fr/Workshops/SeaLevel/>.

International Workshop "Height Systems, Geoid and Gravity of the Asia-Pacific"

6-8 June, 2006, Ulaanbaatar, Mongolia

The aim of the workshop is to bring together geodesists and geophysicists from the region working in the gravity field and height determination fields. The workshop will be arranged around the following topics: Height systems and national leveling networks, Regional and local geoid modeling, Airborne gravity survey, Satellite gravity and new earth gravity field models, Vertical datum and dynamic reference systems. Web site with meeting information: www.igfs.net.

EUREF Symposium 2006 Riga

14-17 June 2006, Riga, Latvia

The 2006 Symposium of EUREF, the Reference Frame Sub-Commission for Europe of IAG, will be held in Riga, Latvia, from 17 to 20 May, invited by the University of Latvia, State Land Service, Rigas GeoMetrs SIA and Riga Technical University. For further information visit the website <http://euref-2006.lu.lv/>.

IGeS Geoid School 2006. "The Determination and Use of the Geoid"

19-23 June, 2006, Copenhagen, Denmark

The new Geoid School 2006 will be organized in Copenhagen, Denmark. The Preliminary Program and the Registration Form are now available. For further information visit the IAG website <http://www.iag-aig.org>.

International workshop on quality improvement and coast-land applications of satellite altimetry

21-22 July 2006, Beijing, China

An IAG Special Group 2.3 workshop on satellite altimetry will be held from 21-22 July 2006, Beijing, China. This workshop is dedicated to the problems and solutions of coast and land applications of satellite altimetry in such areas as coastal gravity field modeling, coastal circulations, river level and lake level monitoring and desert study using satellite altimetry. The webpage of the workshop can be reached at the following URL: <http://space.cv.nctu.edu.tw/altimetryworkshop/ALT2006.htm>.

"Gravity Field of the Earth" – 1st International Symposium of the IGFS

28 August - 1 September 2006, Istanbul, Turkey

The 1st symposium of IGFS as being a continuation of the symposia series of the former International Gravity and Geoid Commission will be held in Istanbul, Turkey. The major objective is to bring together the geoscientists working in general areas of modeling the Earth's gravity field. For more information visit the website: www.igfs2006.org.

XIII Assembly of the Wegener project

4-7 September 2006, Nice, France

The 13th Assembly of WEGENER will provide a forum for discussion, coordination and scientific support for geoscientists interested in unravelling the kinematics and mechanisms of the broad Eurasian/African/Arabian collision zone. Details of the meeting are available: <http://wegener.unice.fr/>.

Geodetic Reference Frames GRF2006

9-13 October 2006, Munich, Germany

The Commission 1 „Reference Frames“ of the International Association of Geodesy (IAG) invites scientists and experts from all countries to participate in the Symposium “Geodetic Reference Frames”. The topics of the Symposium include the advanced development and combination of geodetic observation techniques, analysis and processing methods for parameter estimation related to reference frames, definition and integration of regional reference frames, consistent determination of terrestrial

and celestial reference frames and Earth orientation parameters. Detailed information is available at the symposium website: <http://iag.dgfi.badw.de/?grf2006>.

IAG Related Meetings

UN/Zambia/ESA Regional Workshop on the Application of GNSS Technologies in Sub-Saharan Africa

June 26-30, 2006, Lusaka, Zambia

This Regional Workshop is hosted by the Ministry of Health on behalf of the Government of Republic of Zambia. The workshop will aim at initiating projects that benefit the Sub-Saharan African countries and strengthening the networking in the region. It will also address the areas of natural resources management and environmental monitoring by applying GNSS technologies to thematic mapping, forest management, water resources management, and habitat restoration.. All available information on this workshop is posted on the OOSA's website: <http://www.unoosa.org/oosa/en/SAP/gnss/index.html>.

Asia Oceania Geosciences Society's 3rd Annual Meeting (AOGS 2006)

July 10-14, 2006, Singapore, Malaysia

The AOGS mission is to promote geophysical science for the benefit of humanity in Asia and Oceania. Hence, AOGS 2006 will once again bring together geoscientists from all over Asia, Oceania and the rest of the world to present their works and ideas. AOGS invites all geoscientists to convene their own sessions and present their findings at AOGS 2006 in Singapore. For further details, visit <http://www.asiaoceania-conference.org/>.

3rd International conference on Cybernetics and Information Technologies, Systems and Applications

July 20-23, 2006, Orlando, Florida

CITSA '06 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. For details, please visit the conference website <http://www.info-cybernetics.org/citsa2006/>.

IAU Joint Discussion 16 at the XXVIth IAU General Assembly

August 22-23, 2006, Prague, Czech Republic

IAU Joint Discussion 16 entitled "Nomenclature, Precession and New Models in Fundamental Astronomy. Applications and scientific contribution to astronomy" will be held during the XXVIth IAU General Assembly, on 22 and 23 August 2006, in Prague. Please see the IAU GA scientific program at: <http://www.astronomy2006.com/scientific-program.php> and the JD16 web page at <http://syrtel.obspm.fr/iauJD16/>.

ION GNSS 2006

September 26-29, 2006, Fort Worth, Texas

The Institute of Navigation (ION), hosts the ION GNSS 2006 technical meeting in September. For details, please visit <http://www.ion.org/meetings/#gnss>.

3rd International GOCE User Workshop

November 6-8, 2006, ESA-ESRIN, Frascati, Italy.

ESA's intent is to hold the third in a series of International GOCE User Workshops from 6-8 November, 2006 at ESA-ESRIN, in Frascati, near Rome, Italy. Further information on Workshop objectives and themes, as well as details for abstract and paper/poster submission, will be made available soon on the GOCE website: <http://www.esa.int/livingplanet/goce> and ultimately on the Workshop web site: <http://earth.esa.int/goce06>.

International Symposium on Advances in Geographic Information Systems – ACM-GIS 2006

November 10-11, 2006 Arlington, Virginia, USA

The 2006 International Symposium of ACM GIS will be the fourteenth of a series of symposia/workshops that began in 1993 with the aim of bringing together researchers, developers,

users, and practitioners carrying out research and development in novel systems in which geospatial data and knowledge is central. Please visit the website <http://www.itc.nl/acmgis06> for details.

IAG Sister Societies' General Assemblies

IAU XXVith General Assembly

August 14-25, 2006, Prague, Czech Republic

The XXVith General Assembly of the International Astronomical Union (IAU) will be held in Prague, Czech Republic, in a city with a rich astronomical history going back to the middle of XIVth century, when the oldest central European university was established there. The webpage of the Assembly is <http://www.astronomy2006.com>.

FIG 2006

October 8-12, 2006, Munich, Germany

The Organising Committee has the pleasure of cordially inviting you to Munich to attend the XXIII International FIG World Congress from 8 to 13 October 2006. This event will take place concurrently with the INTERGEO 2006, the largest international congress and fair for geodesy, geo-information and land management. For details, please visit <http://www.fig2006.de>.

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>.

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 January 2006 and Journal of Geodesy 79/8). The IBS is based on the literary data bank GEOPHOKA, which is maintained by BKG (Budensamt für Kartographie und Geodäsie) at the Branch Office Leipzig, Leipzig Zentrale technisch – wissenschaftliche Angelegenheiten, Bibliothek, Karl-Rothe Strasse 10-14, 0415 Leipzig, Germany. The IBS can be reached at the following Internet address: <http://www.leipzig.ifag.de>. The bibliographic services are furthermore reachable through the homepage of IAG: <http://www.iag-aig.org>.

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