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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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E-mail: cct@gfy.ku.dk

General Announcements

Free colour for online PDF papers in Journal of Geodesy

Important information for authors who have submitted or will be submitting papers to the Journal of Geodesy:

As geodesists should now be well aware, the IAG's Journal of Geodesy has both an online version and a printed version, as well as the Online First papers that are put online as soon as they are published. There are also online versions of the back catalogue of printed issues. These services are available to subscribers via SpringerLink. Soon, a list of accepted papers (titles and authors, but not the papers) will also be provided via SpringerLink.

Springer-Verlag now publishes colour figures free-of-charge in the online version of the Journal of Geodesy. In the printed version, however, figures will only appear in colour if authors contribute to covering the costs of printing colour by paying Euro950 plus VAT or US\$1150 plus VAT. This contribution does not change according to the number of pages nor the number of figures. Otherwise, figures will be printed in black-and-white.

As such, authors may now wish to provide colour figures for the on-line version of the Journal, but have them reproduced in black-and-white in the printed version free-of-charge. In such cases, authors are kindly asked to always make sure that the black-and-white figures will still be readable, or be ready to submit two types of figures (black-and-white and colour). It is important be careful in the figure caption, e.g., do not mention colours in the plots. This can be circumvented by providing a legend in the figure. A useful test is to print the colour figure on a black-and-white printer to see how it looks to the readers of your article.

I would like to thank Chienway Hwang and Pascal Willis for bringing this issue to my attention.

WILL FEATHERSTONE,
EDITOR-IN-CHIEF, JOURNAL OF GEODESY

Assistant Professor in Cadastres and Land Tenure

The *Department of Geomatics Engineering*, in the Schulich School of Engineering at the University of Calgary, invites applications for the position of Assistant Professor (tenure track) effective August 1, 2006 or shortly thereafter. Applicants with a PhD in geomatics engineering or applied science related to geomatics, and with demonstrated research excellence in land information systems and land tenure, are encouraged to apply.

The selected candidate is expected to provide leadership and vision to the cadastral studies/land tenure core of the undergraduate curriculum and to further develop research and graduate studies in this area. He/she should have expertise in several of the following areas: land tenure legislation and regulation, real property law, land surveying, geospatial information technologies applied to land tenure problems, environmental and land use planning. The selected candidate must be able to teach various undergraduate courses related to land tenure and land law, surveying, GIS and planning. He/she is expected to develop and externally fund a strong research program and be capable of attracting graduate students. He/she will be required to register as a Professional Engineer in the Province of Alberta and/or as a land surveyor under one of the provincial or national jurisdictions in Canada.

The Department of Geomatics Engineering is actively involved in all aspects of geomatics engineering and comprises 20 faculty members, some 90 graduate students and 50 students in each year of the undergraduate program. State-of-the-art geomatics engineering equipment and computer facilities are available. Related information can be found at <http://www.geomatics.ucalgary.ca/>

The University of Calgary is a co-educational, non-denominational, government supported institution with a student population of about 27,000. The City of Calgary has population of over one million and is one of the fastest growing cities in Canada. It is situated within an hour's drive of Banff National Park, one of the most beautiful areas in the Canadian Rocky Mountains.

Applications should include a detailed curriculum vitae and a complete list of publications. Three letters of reference should be mailed directly to:

Head, Department of Geomatics Engineering, Schulich School of Engineering
University of Calgary
2500 University Drive NW, Calgary, Alberta T2N 1N4, Canada
E-mail: minch@ucalgary.ca

Closing date: **April 30, 2006**

All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority.

The University of Calgary respects, appreciates and encourages diversity.

To see all University of Calgary academic positions, please visit www.ucalgary.ca/hr/career

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

Joint symposium of Sub-commissions of Commission 3 Earth Rotation and Geodynamics

Considering that Earth tides phenomena must now be considered in all fields of Geodynamics, recognizing the success of the sessions dedicated to space geodetic techniques and planetary studies, and wishing to attract scientists from all fields of geodynamics, the ETS2004 recommends that the next

symposium be organised in collaboration with the other sub-commissions within Commission 3 (including inter-commission committees), and that the title of the symposium better fit the new developments of Earth tidal research within Commission 3 "Earth Rotation and Geodynamics".

Thus, we intend to have a joint symposium at Jena University, on September 1 - 5, 2008, as a cooperation of the three Sub-commissions

- [Sub-commission 3.1: Earth Tides](#)
- [Sub-commission 3.2: Crustal Deformations](#)
- [Sub-commission 3.3: Geophysical Fluids](#)

We will also invite inter-commission committees to participate, like Earth Tides in Space Geodetic Techniques. The information on the net is in preparation.

GERHARD JENTZSCH
Institut für Geowissenschaften
Friedrich-Schiller-Universität Jena

IGAG 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

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 GeoMets 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>.

IGAG Related Meetings

EURISY Conference “GALILEO Services: Chances for Business”

24-25 April 2006, Prague, Czech Republic

In cooperation with the Czech Space Office, Eurisy organises a conference entitled “Galileo Services: Chances for Business” which will take place on 24/25 April 2006 in Prague, Czech Republic. This Conference is co-sponsored by ESA, UN/OOSA and the Galileo Point Poland. For details, please visit <http://www.eurisy.org>.

IEEE/ION PLANS 2006

April 24-27, 2006, Loews Coronado Bay Resort, San Diego, California

IEEE – the world's largest professional engineering organization – through its Aerospace and Electronics Systems Society (AESS), and the Institute of Navigation (ION), invite you to attend and enjoy the Position Location and Navigation Symposium, PLANS 2006. PLANS is sponsored every two years. For details, please visit <http://www.plans2006.com/>.

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://syrtelab.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>.

Obituary

Urho A. K. Uotila

Urho A. K. Uotila, educator and friend, passed away Friday, March 3, 2006 at The Ohio State University Medical Center in Columbus at the age of 83.

He was born February 22, 1923 in Poytya, Finland the son of Antti Samuli and Vera Justine (Kyto) Uotila. He served in the Finnish Army from 1942-1944. He received his Bachelor of Science degree from Finland's Institute of Technology in 1946 and his Master of Science in 1949. He came to the United States in 1951 and received his Ph.D. from The Ohio State University in 1959. He was one of the early geodesy graduates from this institution that included William Kaula, George Veis and the undersigned.

During his 40 years of service Urho was a dedicated member of the Department of Geodetic Science, The Ohio State University as a teacher and researcher, including 24 years as Chairman. His primary contributions were in the fields of geometric and physical geodesy, and statistical analysis of data. He published many articles in numerous professional journals and encyclopedias.

His extra curricular activities included participation in the Solar Eclipse Expedition to Greenland (lead by T.J. Kukkamaki), in the Advisory Panel on Geodesy to the U.S. Coast and Geodetic Survey, National Academy of Sciences, in the Space Science Steering Committee NASA, and in numerous others. He also served on the Board of Directors of the International Gravity Bureau and on the Committee on Geodesy, National Academy of Sciences.

He was active in professional societies as a Fellow of the American Geophysical Union, President of the American Congress of Surveying and Mapping, Section President of the International Association of Geodesy, among others. He was also a member of the American Society of Photogrammetry, Canadian Institute of Surveying, Universities Space Research Association, Finnish National Academy of Sciences, and an honorary member of the Professional Land Surveyors of Ohio, Alaska and Tennessee.

His Awards included the Kaarina and W.A. Heiskanen, The Ohio State University; Apollo Achievement, NASA; Distinguished Service, Surveyor's Institute in Sri Lanka; and the Earle J. Fennell, American Congress on Surveying and Mapping.

Urho was preceded in death by his wife of 52 years Helena in 2002, and by his 2 brothers. His daughters, Heidi, Kirsi, Elizabeth, Julie, Trina, and Caroline, his sister, 5 grandchildren, and many nieces, nephews, cousins and other relatives survive him.

He will be best remembered for his anecdotal humor: His brothers, sister and him had first names starting with a "U" (Ukko, Urpo, Ulla and Urho). He attributed this to his Finnish parents struggle for independence from under the Swedish realm and the Russian empire. Also, at one time he (tried) to convince others that "true" geodesists have only daughters. With six daughters he was a leaving example.

A Memorial Service to celebrate his life was held on March 10, 2006 in Columbus, Ohio. May he rest in peace!

IVAN I MUELLER

