



# International Association of Geodesy

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## Newsletter

## February 2012

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### Contents

<b>General Announcements</b> .....	<b>3</b>
IAG monthly news for GIM – IAG page in the GIM International February 2012 .....	3
Invitation for proposals for changes to the IAG Statutes and Bylaws.....	3
Chris Rizos Elected to ION 2012 Fellow Membership.....	3
GGFC Call for new products and for Chair of Science Support Component.....	3
<b>Meeting Announcements</b> .....	<b>4</b>
International Symposium on Gravity, Geoid and Height Systems GGHS 2012 - First Announcement .....	4
Call for abstracts AOGS – AGU (WPGM) Joint Assembly.....	4
Meetings Calendar .....	4
2 <sup>nd</sup> International School on Least Squares Approach to Modeling the Geoid .....	4
IVS VLBI2010 Workshop on Technical Specifications (TecSpec).....	5
7th IVS General Meeting "Launching the Next-Generation IVS Network" .....	5
PPP-RTK & Open Standards.....	5
Munich Satellite Navigation Summit 2012 .....	5
Sentinel-3 Calibration/Validation Workshop .....	5
Planet under Pressure .....	5
European Geosciences Union General Assembly 2012.....	5
10th International Conference on Southern Hemisphere Meteorology and Oceanography.....	5
FIG Working Week 2012.....	5
6th GNSS Vulnerabilities and Solutions Conference.....	5
Canadian Geophysical Union National Conference.....	5
IUGG Conference on Mathematical Geophysics.....	5
SGEM 2012 .....	5
4th International Conference on Cartography and GIS.....	5
2nd IAHR Europe Congress.....	6
XXXII SCAR Open Science Conference .....	6
39th COSPAR Scientific Assembly.....	6
IGS Analysis Center Workshop 2012 .....	6
AOGS-AGU (WPGM) Joint Assembly .....	6
International Symposium on Space Geodesy and Earth System (SGES2012).....	6
ESC 2012.....	6
International Astronomical Union General Assembly.....	6
International Summer School on Space Geodesy and Earth System.....	6
IAU Joint Discussion (JD7): Space-time reference systems for future research .....	6
Scientific Colloquium of the Leibniz Society .....	6
GRACE Science Team Meeting 2012.....	6
17th International Symposium on Earth Tides and Earth Rotation ETS 2012.....	6
20 Years of Progress in Radar Altimetry.....	6
IDS Workshop.....	7
European VLBI Network (EVN) Symposium .....	7
International Symposium on Gravity, Geoid and Height Systems GGHS 2012.....	7
25th CODATA General Assembly .....	7
Pan Ocean Remote Sensing Conference (PORSEC-2012) .....	7
AGU 2012 Fall Meeting.....	7
European Geosciences Union General Assembly 2013.....	7
Joint IAMAS-IACS Assembly .....	7
Joint IAHS-IAPSO-IASPEI Scientific Assembly .....	7
26th International Cartographic Conference .....	7
12th IAGA Scientific Assembly.....	7
IAG Scientific Assembly.....	7
AGU 2013 Fall Meeting.....	7
<b>Reports</b> .....	<b>8</b>
PolyU hosts the Joint International Symposium on Deformation Monitoring .....	8

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](mailto: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 monthly news for GIM – IAG page in the GIM International February 2012*

The IAG become a partner with the magazine GIM International from the start of 2012. We would join sister geospatial organisations such as the FIG, ISPRS, ICA, GSDI & OGC in having a monthly page of news. The second article titled “New Commission Structures for 2011-2015” for the February 2012 issue of GIM is available from the webpage

[http://www.gim-international.com/issues/articles/id1839-New\\_Commission\\_Structures\\_for.html](http://www.gim-international.com/issues/articles/id1839-New_Commission_Structures_for.html) .

CHRIS RIZOS  
President of IAG

### *Invitation for proposals for changes to the IAG Statutes and Bylaws*

Article 16 of IAG’s Statutes specifies that the Association shall review its Statutes and Bylaws to ensure an up-to-date structure of its scientific organization every eight years. The last time such a review was initiated was about eight years ago under the presidency of Gerard Beutler. It is now therefore time that we again take a fresh look at our Statutes and Bylaws. To achieve this goal, a Review Committee (traditionally called the Cassinis Committee) was appointed in the fall of 2011 by the IAG Executive. The committee is chaired by Michael Sideris and includes as members Harald Schuh, Ruth Neilan and Yoichi Fukuda. A proposal with all suggested revisions will be made by the Cassinis Committee for consideration by the IAG Executive and possibly the Council at the 2013 Scientific Assembly. In this way, we are hoping to get the Council’s reaction and input to the proposed changes before these are finalized and approved at the next IUGG General Assembly in 2015.

With this announcement, the Cassinis Committee is inviting proposals for changes of any article of the Statutes and Bylaws. Proposals can be submitted through the IAG website Forum ([www.iag-aig.org/proposals](http://www.iag-aig.org/proposals)). The actual Statutes and By-laws can be found on the IAG website. All proposals submitted **between March 1, 2012 and February 1, 2013** will be considered by the Cassinis Committee.

We are very much looking forward to receiving your contributions.

MICHAEL SIDERIS, HARALD SCHUH, RUTH NEILAN, YOICHI FUKUDA

### *Chris Rizos Elected to ION 2012 Fellow Membership*

The Institute of Navigation (ION) announced that Professor Chris Rizos is a recipient of the 2012 Fellow Membership during the ION International Technical Meeting (ITM) 2012 in Newport Beach, California January 30- February 1, 2012.

Election to Fellow membership recognizes the distinguished contributions of The Institute of Navigation members to the advancement of the technology, management, practice and teaching the arts and science of navigation; and/or lifetime contributions to the Institute.

Professor Chris Rizos has been elected for sustained contributions to the practice and management of satellite navigation research; and for leadership representing the satellite navigation community in Australia.

IAG COB

### *GGFC Call for new products and for Chair of Science Support Component*

The IERS Global Geophysical Fluid Center (GGFC) is soliciting proposals for:

- A. New operational products (New products can duplicate existing products)
- B. Chair of the GGFC Science Support Component
- C. Research support products (Earth Models, Ice history models, tidal models, etc.)

Proposals should include a description of the product, information on the availability of data for generating the product, the expected reliability of the product, the expected delay in making the product available operationally.

The deadline for proposals is **April 1, 2012**. For details, see <http://www.iers.org/GGFC2012> .

TONIE M. VAN DAM

## Meeting Announcements

### *International Symposium on Gravity, Geoid and Height Systems GGHS 2012 - First Announcement*

*October 9-12, 2012, Venice, Italy*

The traditional symposium "Gravity, Geoid and Height Systems GGHS2012" is organized by IAG Commission 2 with the assistance of the International Gravity Field Service (IGFS) and GGOS (Unified Global Height System Theme). It will be arranged by the OGS (Istituto Nazionale di Oceanografia e di Geofisica Sperimentale) which has presently the role of the Central Bureau of the IGFS. The symposium will take place on the island of San Servolo in the Venetian Lagoon. The first focus theme of this symposium is global height systems and their maintenance and implementation. Further themes will be added by the organizing committees. For more details please visit <http://www.gravityfield.org/> (under construction).

- Deadline for abstract submission: **May 27 2012**
- Deadline for registration and accommodation: **June 24, 2012**

URS MARTI  
RENE FORSBERG  
FRANCO COREN

### *Call for abstracts AOGS – AGU (WPGM) Joint Assembly*

A special joint assembly will be held by the Asia Oceania Geosciences Society (AOGS) and the American Geophysical Union (AGU) in Singapore, 13.-17. August 2012:

AOGS – AGU (WPGM) Joint Assembly, <http://www.asiaoceania.org/aogs2012>

In order to increase the contributions from geodesy at the AOGS assemblies and to support our Asian/Oceanic colleagues the International Association of Geodesy (IAG) Bureau has planned and coordinated in advance a comprehensive program of scientific sessions on geodetic topics, covering all 4 IAG Commissions as well as GGOS, the Global Geodetic Observing System of the IAG, and all its international Services.

This ended up in 8 sessions within the Solid Earth (SE) Section and 2 Interdisciplinary Working Groups (IWG), see below. Please, take a look on the session topics and consider your participation. Deadline for submitting abstracts is **March 12**.

HARALD SCHUH  
(IAG Vice-President)

(List of scientific session on geodetic topics can be found in the [January 2012 Newsletter](#))

### *Meetings Calendar*

#### *2<sup>nd</sup> International School on Least Squares Approach to Modeling the Geoid*

*February 27- March 2, 2012, Johor Bahru, Malaysia*

Theoretical lectures in the mornings are followed by practical computer exercises in the afternoons.

URL: <http://www.infra.kth.se/geo/events/IGS-2012.pdf>

IVS VLBI2010 Workshop on Technical Specifications (TecSpec)

March 1-2, 2012, Bad Kötzing/Wetzell, Germany

URL: <http://www.fs.wetzell.de/veranstaltungen/vlbi/tecspec2012/>

7th IVS General Meeting "Launching the Next-Generation IVS Network"

March 4-9, 2012, Madrid, Spain

URL: <http://www.oan.es/gm2012/>

PPP-RTK & Open Standards

March 12-13, 2012, Frankfurt, Germany

URL: <http://igs.bkg.bund.de/ntrip/symp>

Munich Satellite Navigation Summit 2012

March 13-15, 2012, Munich, Germany

URL: <http://www.munich-satellite-navigation-summit.org>

Sentinel-3 Calibration/Validation Workshop

March 20-22, 2012, Frascati, Italy

URL: <http://congrexprojects.com/12m17/introduction>

Planet under Pressure

March 26-29, 2012, London, UK

URL: <http://www.planetunderpressure2012.net>

European Geosciences Union General Assembly 2012

April 22-27, 2012, Vienna, Austria

URL: <http://meetings.copernicus.org/egu2012/>

10th International Conference on Southern Hemisphere Meteorology and Oceanography

April 23-27, 2012, Noumea, New-Caledonia

URL: <http://www.colloque.ird.fr/icshmo-2012>

FIG Working Week 2012

May 6-10, 2012, Rome, Italy

Knowing to manage the territory, protect the environment, evaluate the cultural heritage.

URL: <http://www.fig.net/fig2012/>

6th GNSS Vulnerabilities and Solutions Conference

May 21-24, 2012, Baška, Krk Island, Croatia

URL: <http://www.rin.org.uk/events.aspx?ID=51&SectionID=23&ItemID=1656>

Canadian Geophysical Union National Conference

June 5-8, 2012, Banff, Canada

URL: <http://www.elements2012.ca/>

IUGG Conference on Mathematical Geophysics

June 18-22, 2012, Edinburgh, Scotland

URL: <http://www.cmgedinburgh2012.org.uk/>

SGEM 2012

June 17-23, 2012, Albena Summer Resort, Bulgaria

URL: <http://www.sgem.org/>

4th International Conference on Cartography and GIS

June 18-22, 2012, Albena Summer Resort, Bulgaria

URL: <http://www.cartography-gis.com/4thConference/Index.html>

2nd IAHR Europe Congress

June 27-29, 2012, Munich, Germany

URL: <http://www.iahr2012.tum.de/>

XXXII SCAR Open Science Conference

July 13-25, Portland, Oregon, USA

URL: <http://scar2012.geol.pdx.edu/>

39th COSPAR Scientific Assembly

July 14-22, 2012, Mysore, India

URL: <http://www.cospar-assembly.org/>

IGS Analysis Center Workshop 2012

July 23-27, 2012, Olsztyn, Poland

URL: <http://igsceb.jpl.nasa.gov/pipermail/igsmail/2011/006436.html>

AOGS-AGU (WPGM) Joint Assembly

August 13-17, 2012, Singapore, Singapore

URL: <http://www.asiaoceania.org/aogs2012/>

International Symposium on Space Geodesy and Earth System (SGES2012)

August 19-20, 2012, Shanghai, China

URL: <http://www.shao.ac.cn/meetings>

ESC 2012

August 19-24, 2012, Moscow, Russia

European Seismological Commission 33<sup>rd</sup> General Assembly

URL: [www.esc2012-moscow.org](http://www.esc2012-moscow.org)

International Astronomical Union General Assembly

August 20-31, 2012, Beijing, China

URL: <http://www.astronomy2012.org/>

International Summer School on Space Geodesy and Earth System

August 21-25, 2012, Shanghai, China

URL: <http://www.shao.ac.cn/schools>

IAU Joint Discussion (JD7): Space-time reference systems for future research

August 27-29, 2012, Beijing, China

URL: [http://www.iau.org/science/meetings/future/joint\\_discussions/1058/](http://www.iau.org/science/meetings/future/joint_discussions/1058/)

Scientific Colloquium of the Leibniz Society

September 14, 2012, Berlin, Germany

Leibniz Society of Sciences at Berlin ([www.leibniz-sozietaet.de](http://www.leibniz-sozietaet.de)) organizes a Scientific Colloquium on the topics of scientific geodesy and history of geodesy. Contact person: Heinz Kautzleben ([kautzleben@t-online.de](mailto:kautzleben@t-online.de))

GRACE Science Team Meeting 2012

September 17-20, 2012, Potsdam, Germany

URL: <http://www.gfz-potsdam.de>

17th International Symposium on Earth Tides and Earth Rotation ETS 2012

September 24-28, 2012, Cairo, Egypt

URL: <http://www.ets2012.com/>

20 Years of Progress in Radar Altimetry

September 24-29, 2012, Venice, Italy

URL: <http://www.altimetry2012.org/>

IDS Workshop

September 25-26, 2012, Venice, Italy

URL: <http://ids-doris.org/report/meeting-presentations/ids-workshop-2012.html>

European VLBI Network (EVN) Symposium

October 9-12, 2012, Bordeaux, France

URL: <http://iag.dgfi.badw.de/index.php?id=291>

International Symposium on Gravity, Geoid and Height Systems GGHS 2012

October 9-12, 2012, Venice, Italy

URL: <http://www.gravityfield.org/>

25th CODATA General Assembly

October 26-27, 2012, Beijing, China

URL: <http://www.codata.org>

Pan Ocean Remote Sensing Conference (PORSEC-2012)

November 5-9, 2012, Kochi, Kerala, India

URL: <http://www.porsec2012.incois.gov.in/>

AGU 2012 Fall Meeting

December 6-10, 2012, San Francisco, USA

URL: <http://www.agu.org/meetings/>

European Geosciences Union General Assembly 2013

April 7-12, 2013, Vienna, Austria

URL: <http://www.egu.eu/meetings/meeting-overview.html>

Joint IAMAS-IACS Assembly

July 8-12, 2013, Davos, Switzerland

Davos Atmosphere and Cryosphere Assembly 2013, Ice & Air – Process Interactions

URL: [www.daca-13.org](http://www.daca-13.org)

Joint IAHS-IAPSO-IASPEI Scientific Assembly

July 22-26, 2013, Gothenburg, Sweden

URL: <http://www.iaspei.org/meetings/forthcoming.html#iaspei2013>

26th International Cartographic Conference

August 25-30, 2013, Dresden, Germany

URL: <http://www.icc2013.org/>

12th IAGA Scientific Assembly

August 26-31, 2013, Mérida, Mexico

URL: [www.iaga2013.org.mx](http://www.iaga2013.org.mx)

IAG Scientific Assembly

September 1-16, 2013, Potsdam, Germany

URL: <http://iag.dgfi.badw.de/index.php?id=291>

AGU 2013 Fall Meeting

December 9-13, 2013, San Francisco, USA

URL: <http://www.agu.org/cgi-bin/gycal?details=1&file=2013120900320182043&li>

## Reports

### *PolyU hosts the Joint International Symposium on Deformation Monitoring 2-4 November 2011, Hong Kong, China*



Director of Lands Department of Hong Kong Special Administrative Region Government, Professor Gethin Roberts, representative of FIG, and Professor Guenther Retscher, representative of IAG.



*In front row, Professor Judy Tsui, PolyU Vice President, Mr. Wong Chung Hang, Deputy Director of Lands Department, Professor Gethin Roberts, Representative of FIG, and Professor Ramon Hanssen, a keynote speaker at the opening ceremony.*

About 200 leading experts, researchers, industry practitioners and students from 27 countries and regions gathered at Harbour Grand Kwoloon Hotel during 2 - 4 November 2011 for the Joint International Symposium on Deformation Monitoring (JISDM 2011). The Symposium was organized by the Department of Land Surveying and Geo-Informatics (LSGI) of The Hong Kong Polytechnic University (PolyU), International Federation of Surveyors (FIG) Working Group 6.1: Deformation Measurement, International Association of Geodesy (IAG) Sub-Commission 4.2: Applications of Geodesy in Engineering, IAG Sub-Commission 4.4: Applications of Satellite and Airborne Imaging Systems, and the Engineering Surveying Sub-Society of the Chinese Society for Geodesy, Photogrammetry and Cartography.

The opening ceremony of the three-day Symposium was officiated by Prof. Judy Tsui, PolyU Vice President (International and Executive Education), Mr. Wong Chung Hang, Deputy

Six prominent international and local experts were invited to deliver keynote speeches at the Symposium, including Prof. R.F. Hanssen of Delft University of Technology, the Netherland, Dr. M. Shimada of Earth Observation Research Center, Japan, Prof. C.K. Shum of Ohio State University, USA, Prof. Y.Q. Chen of Department of Land Surveying and Geo-Informatics of PolyU, Prof. W. Lienhart of Graz University of Technology, Austria, and Prof. Y.X. Yang of Xian Research Institute of Surveying and Mapping, China and Academician of Chinese Academy of Sciences.

Structural failures such as collapses of bridges and buildings and geohazards caused by events such as landslides, ground subsidence and earthquakes are world-wide problems that often lead to significant economic and life losses. It is

therefore important to carry out systematic research to better understand and manage these problems. The symposium provided a forum for sharing latest research results, ideas and experiences in monitoring deformations of both natural phenomena and man-made structures.

The symposium was supported financially by the Faculty of Construction and Environment (FCE) of PolyU and some corporations.

For more details of the symposium, please visit its official website: <http://dma.lsgi.polyu.edu.hk> .

CHRIS RIZOS