



International Association of Geodesy

Newsletter

March 2013

Editor: Gyula Tóth

IAG Communication and Outreach Branch
Department of Geodesy and Surveying
Budapest University of Technology and Economics
H-1521 Budapest, Hungary

Information Service of the International Association of Geodesy

<http://www.iag-aig.org>

newsletter@iag-aig.org

Contents

General Announcements	3
Publication of the IAG Symposia series.....	3
International Comparison of Absolute Gravimeters 2013 – ICAG 2013	3
Meeting Announcements	4
150 Years of International Cooperation in Geodesy:	4
Anniversary Assembly of the International Association of Geodesy.....	4
IAG Scientific Assembly 2013.....	5
GNSS PPP Workshop.....	5
Meetings Calendar	6
IDS AWG Meeting	6
European Geosciences Union General Assembly 2013.....	6
ETS 2013	6
7th GNSS Vulnerabilities and Solutions Conference.....	6
The European Navigation Conference ENC 2013.....	6
Eurisys - GEONetCab workshop	6
International Symposium on Mobile Mapping Technology 2013	7
Seventh IVS Technical Operations Workshop	7
FIG Working Week 2013.....	7
IERS Workshop on Local Ties and Co-locations	7
EUREF Symposium 2013	7
5th International Conference on Spacecraft Formation Flying Missions and Technologies (SFFMT).....	7
International Symposium: Reconciling Observations and Models of Elastic and Viscoelastic Deformation due to Ice Mass Change	7
EOGC 2013.....	7
SGEM 2013	7
VIII Hotine-Marussi Symposium	7
TransNav 2013	7
ICEO-SI 2013.....	7
IRI-2013 Workshop "IRI and GNSS"	7
AOGS2013.....	8
International Symposium on Planetary Sciences (IAPS2013)	8
GI_Forum 2013 – Creating the GISociety.....	8
2013 Beacon Satellite Symposium.....	8
Joint IAMAS-IACS Assembly	8
ESA International Summerschool on GNSS 2013.....	8
Joint IAHS-IAPSO-IASPEI Scientific Assembly	8
26th International Cartographic Conference	8
ISDE 2013.....	8
12th IAGA Scientific Assembly.....	8
IC-MSQUARE 2013	8
IAG Scientific Assembly.....	8
2nd Joint International Symposium on Deformation Monitoring (JISDM)	8
ESA Living Planet Symposium 2013	9
TGSMM 2013.....	9
Scientific developments from highly accurate space-time reference systems.....	9
ION GNSS 2013.....	9
Statusseminar der DFG-Forscherguppe Referenzsysteme (FOR1503)	9
Geodätische Woche and INTERGEO	9
School on Reference Systems, Crustal Deformation and Ionosphere Monitoring	9
SIRGAS Meeting 2013	9
ICAG 2013	9
18th International Workshop on Laser Ranging	9
AGU 2013 Fall Meeting.....	9
17. Internationaler Ingenieurvermessungskurs	9

Munich Satellite Navigation Summit 2014	9
40th COSPAR Scientific Assembly.....	9
AGU 2014 Fall Meeting.....	10
XXVI IUGG General Assembly	10

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:

C.C Tscherning
 University of Copenhagen
 Dept. of Geophysics
 Copenhagen, Denmark
 Fax: +45 35365357
 E-mail: cct@gfy.ku.dk

General Announcements

Publication of the IAG Symposia series

IAG Symp. 138

Volume related to the meeting on "Reference Frames for Applications in Geosciences (REFAG 2010)", held in Marne-la-Vallée, France from October 4 to 8, 2010, is now published by Springer as IAG Symp. 138 (Eds. Z. Altamimi, X. Collilieux), ISBN 978-3-642-32997-5, 284 pages, 180 illustrations, \$199.00.

Articles are available online at the following URL:

<http://www.springer.com/earth+sciences+and+geography/book/978-3-642-32997-5>

IAG Symp. 139

Volume related to the IUGG General Assembly in Melbourne, Australia from June 28 to July 7, 2011, are expected to appear on the Springer Web site by June 2013. It will be named "Earth on the Edge: Science for a Sustainable Planet" (Eds. Chris Rizos, Pascal Willis).

Articles should be available online soon at the following URL:

<http://www.springer.com/earth+sciences+and+geography/geophysics/book/978-3-642-37221-6>

IAG Symp. 140

Following the First International Workshop on the Quality of Geodetic Observation and Monitoring Systems (QuGOM'11), held in Garching/Munich, Germany from April 13 to 15, 2011, 24 articles were accepted for publications (Ed. Nico Sneeuw). Production will soon start with Springer.

IAG Symp. 141

Following the International Symposium on Gravity, Geoid and Height Systems (GGHS 2012) in Venice, Italy from October 9-12, 2012, 61 manuscripts were submitted and are currently under review. Main editor is Urs Marti. Co-editors are Riccardo Barzaghi, Oliver Baur, Carla Braitenberg, Jianliang Huang, Shuanggen Jin, Isabelle Panet, Laura Sánchez, Herbert Wilmes

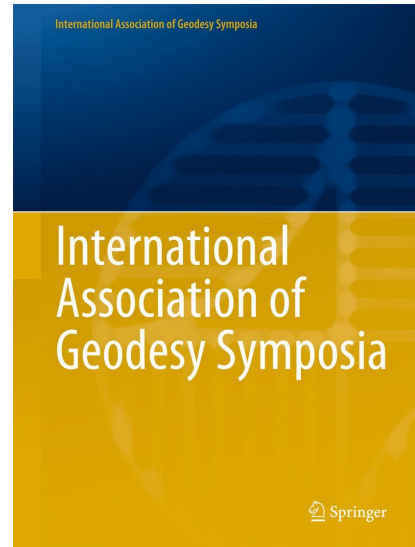
Future IAG Symp. volumes

These future symposia will include peer-reviewed proceedings included in the IAG Symposia Series :

- VIII Hotine-Marussi, Rome, Italy, 17-21 June 2013
- IAG Scientific Assembly, Potsdam, Germany, 1-6 September 2013

As usual, articles will need to be submitted through the Springer submission Web site : <http://www.editorialmanager.com/iags>. Technical specifications are also available at this Web site. In particular, submission are expected within one month after the end of the meeting.

CHRIS RIZOS (Editor)
PASCAL WILLIS (assistant Editor-in-Chief)



International Comparison of Absolute Gravimeters 2013 – ICAG 2013

The next International Comparison of Absolute Gravimeters 2013 (ICAG 2013) will take place in the Walferdange Underground Laboratory in Luxembourg between the 5 and the 13 November 2013.

The ICAG has been defined as a metrological key comparison by the Consultative Committee for Mass and Related Quantities (CCM). The first key comparison of absolute gravimeters was ICAG 2009, the last of the long series of comparisons organized by the BIPM in cooperation with the IAG. Since then, the ICAGs will be organized in a regional basis with a National Metrology Institute as the pilot laboratory.

ICAG 2013 is organized under the responsibility of the Swiss Federal Institute of Metrology (METAS) and the University of Luxembourg. Absolute gravimeters from National Metrology Institutes, from Designated Institutes and from geodetic institutes and universities will participate of the comparison. The results will be published in the BIPM Key Comparison Data Base.

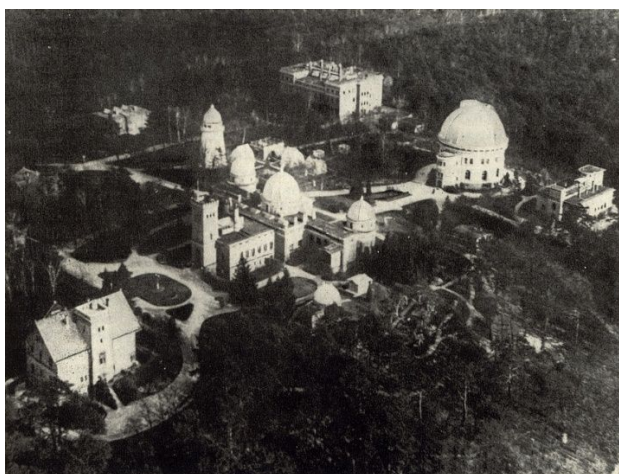
Contact persons for ICAG 2013: Henri Baumann (Henri.Baumann@metas.ch) and Olivier Francis (olivier.francis@uni.lu).

FELICITAS ARIAS
BIPM

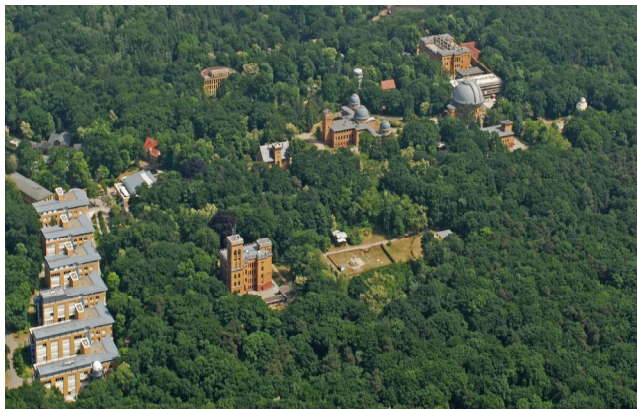
Meeting Announcements

150 Years of International Cooperation in Geodesy: Anniversary Assembly of the International Association of Geodesy

In 1862, the Prussian General Johann Jacob Baeyer initiated the Central European Arc Measurement (“Mitteleuropäische Gradmessung”) project. By the end of that year fifteen countries had affirmed their participation, and in 1864 the first General Conference was held in Berlin. In 1870 the Prussian Geodetic Institute was established and entrusted with the operation of the Central Bureau. General Baeyer’s project is considered the forerunner to today’s International Association of Geodesy (IAG). IAG will celebrate its 150th anniversary with a Scientific Assembly in Potsdam from 1 to 6 September 2013. The IAG is a foundation association of the International Union of Geodesy and Geophysics (IUGG), established in 1919.



Potsdam, Telegrafenberg, end of the 19th century



Potsdam, Telegrafenberg, today

The local organisation of the Assembly is being undertaken by the German Research Centre for Geosciences (GFZ), scientific successor of the Geodetic Institute, located at Potsdam, 30 km from Berlin. Potsdam is undoubtedly one of Germany’s most beautiful cities with a magnificent diversity of architectural monuments and gardens, and offers a fascinating range of attractions, such as the Babelsberg Filmpark and boat tours on the Havel River. Potsdam’s key attractions are the Sanssouci Palace, summer residence of King Frederick II, and Cecilienhof Palace, venue of the 1945 Potsdam Conference.

Hundreds of scientists from all over the world are expected to attend the Assembly. The scientific sessions will be held in the 4-star Hotel Dorint Sanssouci in Potsdam City.

A session on IAG’s history will be followed by a walk-through of the historic buildings at the Telegrafenberg, site of the past Geodetic Institute and of the GFZ today.

An exciting programme of presentations will highlight the contributions of Modern Geodesy to science and society. Details see <http://www.iag2013.org>.



Sanssouci Palace, Potsdam (Source: Wikipedia)

HERMANN DREWES
IAG Secretary General

IAG Scientific Assembly 2013

Themes as well as detailed description of themes of the IAG Scientific Assembly 2013 are available from the webpage http://www.iag2013.org/IAG_2013/Themes.html.

Deadline for abstract submission is **April 21, 2013**. For technical instructions on how to prepare your abstracts and for further conference information, please visit our homepage <http://www.iag2013.org>.

All abstracts accepted and presented at the Assembly (oral or poster) may be submitted as papers for publication in the peer-reviewed IAG Symposia Series at Springer Publisher within one month after the Assembly.

Please note: There is an abstract fee of EUR 40 for each submitted abstract. The fee of the first abstract will be credited against the registration fee when you register (on-line or on-site). Fees for additional abstracts will not be refunded.

IAG 2013 will offer you an interesting and comprehensive scientific program together with a variety of unique cultural events.

IAG 2013 LOC

GNSS PPP Workshop

12-14 June 2013, Ottawa, Canada

The International Association of Geodesy, Natural Resources Canada, the International GNSS Service, and York University will be hosting a Global Navigation Satellite System Precise Point Positioning workshop entitled "PPP: Reaching Full Potential" in Ottawa, Canada, 12-14 June 2013.

Given recent rapid developments in PPP technology, the objectives of this workshop will be to:

1. Provide a forum for international experts from academia, government and industry to discuss PPP-related matters, including data processing, error modelling, data products, dissemination, applications, and associated policy.
2. Define the current state of PPP performance and communicate global PPP activities and applications in all sectors.
3. Identify and investigate the technical and non-technical issues that need to be addressed to improve the technology.
4. Suggest PPP performance and utility in the next five to ten years.

The call for abstracts is now open. Topics of interest for submission include, but are not limited to:

- GNSS PPP models, error sources and ancillary information
- Integer-fixed PPP techniques and results
- Undifferenced GNSS equipment / hardware biases
- Impact of regional modelling (ionosphere, troposphere, orbit, clock) on PPP
- Multi-constellation PPP results and simulations

- PPP correction product generation, dissemination and access
- Correction streams and content
- PPP end-user solutions
- Kinematic PPP approaches and results
- Real-time / Near-real-time PPP approaches, results and applications
- Unique PPP geoscience and engineering applications
- Public / private access to real-time data and products
- Suitability of PPP coordinate solutions for legal surveys

Abstracts can be until 22 March 2013 on the workshop website <http://www.yorku.ca/pppworkshop2013>. Further workshop details can also be found on this website, which will be updated on a regular basis.

We sincerely invite you to attend PPP: Reaching Full Potential. And we would be grateful if you can provide this information to interested colleagues.

Best regards,
The Program Committee

Prof. Sunil Bisnath, York University, Canada (IAG Representative, Chair Working Group 4.5.2)
Dr. Suelynn Choy, Royal Melbourne Institute of Technology, Australia (IAG Representative, Co-Chair Working Group 4.5.2)
Prof. Yang Gao, University of Calgary, Canada (IAG Representative, Chair Sub-Commission 4.5)
Mr. Pierre Héroux, Natural Resources Canada, Canada (NRCan Representative)
Dr. Shailen Desai, Jet Propulsion Laboratory, USA (IGS Representative)
Dr. Herbert Landau, Trimble TerraSat, Germany (Industry representative)

SUNIL BISNATH

Meetings Calendar

IDS AWG Meeting

April 4-5, 2013, Toulouse, France

URL: <http://ids-doris.org/>

European Geosciences Union General Assembly 2013

April 7-12, 2013, Vienna, Austria

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

ETS 2013

April 15-19, 2013, Warsaw, Poland

17th International Symposium on Earth Tides „Understand the Earth”

URL: <http://www.cgs.wat.edu.pl/ETS2013/>

7th GNSS Vulnerabilities and Solutions Conference

April 18-20, 2013, Baska, Krk Island, Croatia

URL: <http://www.rin.org.uk/Events.aspx?ID=1110&SectionID=23&ItemID=2384>

The European Navigation Conference ENC 2013

April 23-25, 2013, Vienna, Austria

URL: www.enc2013.org

Eurisy - GEONetCab workshop

Environment and risk management: the added value of innovative satellite applications

April 23, 2013, Brussels, Belgium

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

International Symposium on Mobile Mapping Technology 2013

April 30 - May 2, 2013, Tainan, Taiwan

URL: <http://conf.ncku.edu.tw/mmt2013/wm02.htm>

Seventh IVS Technical Operations Workshop

May 6-9, 2013, Westford, MA, USA

FIG Working Week 2013

May 6-10, 2013, Abuja, Nigeria

URL: <http://www.fig.net/fig2013/>

IERS Workshop on Local Ties and Co-locations

May 21-22, 2013, Paris, France

EUREF Symposium 2013

May 29-31, 2013, Budapest, Hungary

URL: <http://euref2013.fomi.hu/>

5th International Conference on Spacecraft Formation Flying Missions and Technologies (SFFMT)

May 29-31, 2013, Munich, Germany

URL: <http://www.sffmt2013.org/>

International Symposium: Reconciling Observations and Models of Elastic and Viscoelastic Deformation due to Ice Mass Change

May 30 – June 2, 2013, Ilulissat, Greenland

URL: <http://www.dtu.dk/subsites/iag.aspx>

EOGC 2013

June 5-7, 2013, Toronto, Canada

International Conference on Earth Observation for Global Changes

URL: <http://eogc2013.blog.ryerson.ca/>

GNSS PPP Workshop

June 12-14, 2013, Ottawa, Canada

URL: <http://www.yorku.ca/pppworkshop2013>

SGEM 2013

June 16-22, 2013, Albena, Bulgaria

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

VIII Hotine-Marussi Symposium

June 17-21, 2013, Rome, Italy

URL: <http://w3.dicea.uniroma1.it/hotine-marussi-2013/>

TransNav 2013

June 19-21, 2013, Gdynia, Poland

URL: <http://transnav2013.am.gdynia.pl>

ICEO-SI 2013

June 23-25, 2013, Tainan City, Taiwan

International Conference on Earth Observations and Societal Impacts

URL: <http://2013.iceo-si.org.tw/>

IRI-2013 Workshop "IRI and GNSS"

June 24-28, 2013, Olsztyn, Poland

URL: http://www.uwm.edu.pl/kaig/iri_workshop_2013/

AOGS2013

June 24-28, 2013, Brisbane, Australia

URL: <http://www.asiaoceania.org/aogs2013/>

International Symposium on Planetary Sciences (IAPS2013)

July 1-4, 2013, Shanghai, China

URL: <http://202.127.29.4/meetings/iaps2013/>

GI Forum 2013 – Creating the GISociety

July 2-5, 2013, Salzburg, Austria

URL: www.daca-13.org

2013 Beacon Satellite Symposium

July 8-12, 2013, Bath, UK

URL: <http://people.bath.ac.uk/ee3jarr/beaconsatellite2013/>

Joint IAMAS-IACS Assembly

July 8-12, 2013, Davos, Switzerland

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

URL: www.gi-forum.org

ESA International Summerschool on GNSS 2013

July 15-25, 2013, Davos, Switzerland

URL: <http://www.congrexprojects.com/13m07>

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/>

ISDE 2013

August 26-29, 2013, Kuching, Sarawak, Malaysia

8th International Symposium on Digital Earth 2013

URL: <http://isde2013.utm.my/>

12th IAGA Scientific Assembly

August 26-31, 2013, Mérida, Mexico

URL: www.iaga2013.org.mx

IC-MSQUARE 2013

September 1-5, 2013, Prague, Czech Republic

2nd International Conference on Mathematical Modeling in Physical Sciences

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

IAG Scientific Assembly

September 1-6, 2013, Potsdam, Germany

URL: <http://www.iag2013.org>

2nd Joint International Symposium on Deformation Monitoring (JISDM)

September 9-11, 2013, Nottingham, UK

URL: www.nottingham.ac.uk/ngi/documents/events-pdfs/jisd2013.pdf

ESA Living Planet Symposium 2013

September 9-13, 2013, Edinburgh, UK

URL: <http://www.livingplanet2013.org/>

TGSMM 2013

September 11-20, 2013, St Petersburg, Russian Federation

IAG Third Symposium "Terrestrial Gravimetry: Static and Mobile Measurements - TGSMM-2013

Scientific developments from highly accurate space-time reference systems

September 16-18, 2013, Observatoire de Paris, Paris, France

URL: <http://syrtel.obspm.fr/jsr/journees2013/>

ION GNSS 2013

September 16-20, 2013, Nashville, TN, USA

URL: <http://www.ion.org/meetings/?conf=gnss>

Statusseminar der DFG-Forschergruppe Referenzsysteme (FOR1503)

September 19-20, 2013, Berlin, Germany

URL: <http://www.referenzsysteme.de/>

Geodätische Woche and INTERGEO

October 8-10, 2013, Essen, Germany

URL: <http://www.intergeo.de/>

School on Reference Systems, Crustal Deformation and Ionosphere Monitoring

October 21-23, 2013, Panama City, Panama

URL: <http://www.sirgas.org/index.php?id=233&L=0>

SIRGAS Meeting 2013

October 24-26, 2013, Panama City, Panama

URL: <http://www.sirgas.org/index.php?id=193&L=2>

ICAG 2013

November 5-13, 2013, Walferdange Underground Laboratory, Luxembourg

International Comparison of Absolute Gravimeters

18th International Workshop on Laser Ranging

November 11-15, 2013, Fujiyoshida, Japan

URL: <http://geo.science.hit-u.ac.jp/lw18>

AGU 2013 Fall Meeting

December 9-13, 2013, San Francisco, CA, USA

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

17. Internationaler Ingenieurvermessungskurs

January 14-17, 2014, Zurich, Switzerland

URL: <http://www.igp.ethz.ch/iv2014/>

Munich Satellite Navigation Summit 2014

March 25-27, 2014, Munich, Germany

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

40th COSPAR Scientific Assembly

August 2-10, 2014, Moscow, Russia

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

AGU 2014 Fall Meeting

December 15-19, 2014, San Francisco, CA, USA

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

XXVI IUGG General Assembly

June 22 – July 2, 2015, Prague, Czech Republic

URL: <http://www.iugg.org/assemblies/>