



International Association of Geodesy

Newsletter

September 2014

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
Call for Nominations for IAG Officers 2015-2019	3
Call for Nominations for 3 Service Representatives to the 2015-2019 IAG EC.....	4
Publications of the IAG Symposia series.....	5
IDS News	6
IDS web service	6
Advances in Space Research Virtual Issues	7
Meeting Announcements	7
Meetings Calendar	7
Eighth FORMOSAT-3/COSMIC Data Users' Workshop	7
INTERGEO / Geodätische Woche.....	7
European VLBI Network (EVN) Symposium	7
REFAG2014.....	7
The Climate Symposium 2014	7
8 th Coastal Altimetry Workshop.....	7
SARAL/AltiKa Workshop.....	8
IDS Workshop.....	8
19th International Workshop on Laser Ranging	8
Ocean Surface Topography Science Team (OSTST) meeting	8
Digital Earth Summit 2014	8
Third International VLBI Technology Workshop.....	8
International Technical Symposium on Navigation and Timing	8
ISPRS Technical Commission I Symposium Sustaining Land Imaging: UAVs to Satellites.....	8
PECORA 19.....	8
ICSU GRC Conference "Improving Geophysical Risk Assessment, Forecasting and Management"	8
Symposium SIRGAS 2014.....	8
5 th GOCE User Workshop	8
11th International Conference on Location-based Services	8
AGU 2014 Fall Meeting.....	8
18. Internationale Geodätische Woche Obergurgl	9
GEOProcessing 2015	9
Munich Satellite Navigation Summit 2015	9
European Geosciences Union General Assembly 2015.....	9
SPACOMM 2015.....	9
36th International Symposium of Remote Sensing of Environment (ISRSE).....	9
8th Workshop on GNSS Reflectometry (GNSS+R 2015).....	9
22nd Meeting of the European VLBI Group for Geodesy and Astrometry (EVGA)	9
TransNav 2015	9
XXVI IUGG General Assembly	9
XXIXth IAU General Assembly	9
ISDE 2015.....	9
18th Geodynamics and Earth Tide Symposium 2016	9
41th COSPAR Scientific Assembly.....	9
Reports	10
The 17th General Assembly of WEGENER:	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

Call for Nominations for IAG Officers 2015-2019

Nominating Committee

M.G. Sideris (Chair), sideris@ucalgary.ca

B. Heck, bernhard.heck@kit.edu

S.R.C. de Freitas, sfreitas@ufpr.br

Y. Fukuda, fukuda@kugi.kyoto-u.ac.jp

August 4, 2014

Delegates of IAG Adhering Bodies

IAG Officers

IAG Fellows

IAG Members

Dear colleagues:

As you are aware of, the elections of IAG Officers for the period 2015-2019 shall take place by mail vote before the 2015 IAG General Assembly in Prague. The procedure for nominations and elections of Officers are given in section 39 of the IAG Bylaws (attached). According to the IAG Statutes, section 12, the voting members of the IAG Executive committee that should be elected are the following: President, Vice-President, Secretary General, Presidents of Commissions (4), Service representatives (3), members at large (2), and the President of the Communication and Outreach Branch. Their eligibility and terms of office are outlined in section 40 of the IAG Bylaws (attached).

The Nominating Committee is inviting you to submit nominations as follows:

- Submit nominations for all Officer positions listed above, except for the Service representatives who will be submitted by the Services.
- All nominations should be submitted to me, electronically or by regular mail, to the address given at the end of this letter.
- The deadline to submit nominations is **November 3, 2014**.

Based on the nominations received, the Nomination Committee will prepare a list of candidates for each position to be filled (normally two candidates per position) and will send it, by the end of 2014, to the delegates of the adhering bodies of the member countries, the officers of the Association, and those IAG fellows and individual members who took part in the nomination process. New nominations could be added to the list of candidates for six more weeks after this mailing, provided they are supported by at least two members of the Council. By mid February 2015 the final list of candidates will be sent out to the Council members for election. The result of the elections will be announced by the end of March 2015.

For any questions or concerns, please feel free to contact either me, or any of the other members of the Nominating Committee listed at the top of this letter.

I am looking forward to receiving your nominations and I thank you in advance for your prompt attention to this matter.

Yours truly,

Prof. Michael G. Sideris
Chair of the IAG Nominating Committee

Department of Geomatics Engineering

University of Calgary
2500 University Drive N.W.
Calgary, Alberta T2N 1N4
CANADA

Fax: +1-403-284-1980
Email: sideris@ucalgary.ca

Call for Nominations for 3 Service Representatives to the 2015-2019 IAG EC

Nominating Committee

M.G. Sideris (Chair), sideris@ucalgary.ca
B. Heck, bernhard.heck@kit.edu
S.R.C. de Freitas, sfreitas@ufpr.br
Y. Fukuda, fukuda@kugi.kyoto-u.ac.jp

August 4, 2014

Chairs/Presidents of IAG Services
Directors of IAG Service Bureaus

Dear colleagues:

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The Nominating Committee is inviting you to consult with your Service and submit nominations as follows:

- Submit nominations only for the 3 Service representatives. All nominees should have a good record in the IAG Services. However, it is not a requirement that they be active within the Service you represent.
- All nominations should be submitted to me, electronically or by regular mail, to the address given at the end of this letter.
- The deadline to submit nominations is **November 3, 2014**.

Based on the nominations received, the Nomination Committee will try to get a good balance of all Services in the IAG Executive Committee (EC), will prepare a list of candidates for each position to be filled (normally two candidates per position) and will send it, by the end of 2014, to the delegates of the adhering bodies of the member countries, the officers of the Association, and those IAG fellows and individual members who took part in the nomination process. New nominations could be added to the list of candidates for six more weeks after this mailing, provided they are supported by at least two members of the Council. By mid February 2015 the final list of candidates will be sent out to the Council members for election. The result of the elections will be announced by the end of March 2015.

For any questions or concerns, please feel free to contact either me, or any of the other members of the Nominating Committee listed at the top of this letter.

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Prof. Michael G. Sideris
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University of Calgary
2500 University Drive N.W.
Calgary, Alberta T2N 1N4
CANADA

Fax: +1-403-284-1980
Email: sideris@ucalgary.ca

Publications of the IAG Symposia series

IAG Symp. 140

Following the First International Workshop on the Quality of Geodetic Observation and Monitoring Systems (QuGOMS'11), held in Garching/Munich, Germany from April 13-15, 2011, 24 articles were accepted for publication. Main Editors are Hansjörg Kutterer, Florian Seitz, Hamza Alkhatib, and Michael Schmidt. Volume is currently under production and galley proofs were recently sent to authors. It should be published in December 2014 (<http://rd.springer.com/bookseries/1345>).

IAG Symp. 141

Following the International Symposium on Gravity, Geoid and Height Systems (GGHS 2012) held in Venice, Italy from October 9-12, 2012, 42 manuscripts were accepted. Main editor is Urs Marti. Associate editors are Riccardo Barzaghi, Oliver Baur, Carla Braitenberg, Jianliang Huang, Shuanggen Jin, Isabelle Panet, Laura Sánchez, Herbert Wilmes. Volume is currently under production and galley proofs will be sent out to authors before the end of October. It should be published in December 2014 (<http://rd.springer.com/bookseries/1345>).

IAG Symp. 142

Following the VIIIth Hotine-Marussi, held in Rome, Italy, June 17-21, 2013, 41 manuscripts were accepted. Main Editor is Nico Sneeuw. Associate editors are A. Dermanis, Mattia Crespi, Robert Čunderlík, Richard Gross, Thomas Hobiger, Wieslaw Kosek, Pavel Novák, Eric Pottier, Fernando Sansò, Michael Schmidt, Matthias Weigelt. Volume is currently under production and should be published in early 2015 (<http://rd.springer.com/bookseries/1345>).

IAG Symp. 143

Following the IAG Scientific Assembly held in Potsdam, Germany from September 1-6, 2013, 124 manuscripts were submitted through the Springer submission Web site: <http://www.editorialmanager.com/iags>, which is now closed for submission. Review process is in progress but is expected to be finished very soon as only a couple of papers are still under review. Main editors are Chris Rizos, Pascal Willis. Associate editors are Hussein Abdelmotaal, Zuheir Altamimi, Xiaoli Deng, Annette Eicker, Jeff Freymueller, Dorota Grejner-Brzezinska, Manabu Hashimoto, Jianliang Huang, Urs Hugentobler, Allison Kealy, Hansjoerg Kutterer, Urs Marti, Roland Pail, Richard Gross, Laura Sanchez, Joao Agria Torres, Tonie van Dam, Pawel Wielgosz. Volume is expected to be published in early 2015 (<http://rd.springer.com/bookseries/1345>).

IAG Symp. 144 (number to be confirmed)

Following the 3rd International Gravity Field Service (IGFS) General Assembly (IGFS2014), held in Shanghai, China, from 30 June to 6 July 2014 (<http://202.127.29.4/meetings/igfs2014/proceeding.html>), a new proceeding is in preparation. Articles should be submitted to the following Springer Web page: <http://www.editorialmanager.com/iags/default.asp>. Deadline for submission was extended to October 31 2014. The first submissions have already been received and are under review. Main editor is Shuanggen Jin. Associate editors are Riccardo Barzaghi, Sylvain Bonvalot, Rene Forsberg, Urs Marti, Roland Pail.



IAG Symp. 145 (number to be confirmed)

Following the International Symposium on Geodesy for Earthquake and Natural Hazards (GENAH2014), held in Matsushima, Miyagi, Japan from July 22 to 26 2014 (<http://genah2014.jpn.org>), a new proceeding is in preparation. Articles should be submitted to the following Springer Web page: <http://www.editorialmanager.com/iags/default.asp>. Deadline for submission was extended to October 31 2014. The first submissions have already been received and are under review. Main editor is Manabu Hashimoto. Associate editors are Jeff Freymueller, Richard Gross, Shuanggen Jin, Cecile Lasserre, Simon McClusky, Yusaku Ohta, Tim Wright.

IAG Symp. 146 (number to be confirmed)

The next volume of the IAG Symposia Series will be related to the REFAG 2014 symposium (Reference Frames for Applications in Geosciences) that will be organized from 14 to 17 October 2014 in Luxemburg by the IAG Commission 1. Main Editor will be Tonie van Dam. Submissions are expected by November 30, 2014 using the Springer Web site: <http://www.editorialmanager.com/iags/default.asp>. Associate editors would be Zuheir Altamimi, Johannes Boehm, Tom Herring, Mikael Lilje, Richard Wonnacott.

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

IDS News

The International DORIS Service will hold an IDS Workshop in Konstanz (Constance), Germany, on October 27-28, 2014, in conjunction with the yearly Ocean Surface Topography Science Team (OSTST) meeting and a SARAL/Altika Workshop, organized by EUMETSAT (the European Organisation for the Exploitation of Meteorological Satellites) and CNES (Centre National d'Etudes Spatiales). The three events will be held in the Steigenberger Inselhotel situated on Lake Constance.

The IDS workshop will highlight the progress in the DORIS technique and provide perspectives for new applications and products. The sessions will include results from the processing for the DORIS contribution to ITRF2013, advances in POD modeling, papers that use DORIS data for ionosphere sounding and climate monitoring, combination of DORIS with other geodetic techniques in the frame of the mission concept GRASP. More details on the program can be found at: <http://ids-doris.org/report/meeting-presentations/ids-workshop-2014.html>

LAURENT SOUDARIN
Director of IDS Central Bureau

IDS web service

The International DORIS Service is pleased to announce the launch of a web service to visualize and manipulate DORIS products, such as station coordinate time series, and outputs from the routine IDS Combination on the IDS website at <http://ids-doris.org/webservice>

This web service named DOR-O-T for DORis Online Tools (pronounced like the French given name Dorothee) has been developed to promote the use of the DORIS products.

The current version provides tools to browse time series in an interactive and intuitive way. It includes a network viewer to select sites and a family of plot tools to visualize the following time series: (1) station position differences at observation epochs relative to a reference position; (2) DORIS data residuals and the amount of available station observations as deduced from the CNES Precise Orbit Ephemeris processing, (3) outputs of the IDS Combination Center analysis, such as the Helmert parameters, and the WRMS.

In addition to visualizing DORIS station coordinate time series, the web service also incorporates the time evolution of GNSS stations that are in co-location with DORIS, thanks to collaboration with the IGS Terrestrial Reference Frame Combination Center.

Further developments will follow to simplify access to time series data and station information.

We hope this web service will be helpful too for users outside the DORIS community.

LAURENT SOUDARIN
Director of IDS Central Bureau

Advances in Space Research Virtual Issues

It is my great pleasure to announce that Elsevier has decided to provide free access immediately to all papers, which were selected by COSPAR to receive a 2014 Outstanding Young Author Award for a period of six-month. Congratulations to all our young and promising authors, including some in Geodesy.

During this 6-month period, all these papers are freely available online without any paid subscription at:

<http://www.journals.elsevier.com/advances-in-space-research/virtual-special-issue/cospar-outstanding-paper-award-for-young-scientists/>

A selection of recent papers published in ASR and selected by the editors are also available free-of-charge for a 6-month period as a virtual issue and available at:

<http://www.journals.elsevier.com/advances-in-space-research/virtual-special-issue/virtual-special-issue-editors-choice-of-best-cited-papers/>

I remind you that Advances in Space Research is with Life Sciences in Space Research the official COSPAR journals and that submissions are welcome at any time through the following Web site:

ASR: <http://ees.elsevier.com/asr/>

Best regards
Pascal Willis
Editor-in-Chief of *Advances in Space Research*



Meeting Announcements

Meetings Calendar

Eighth FORMOSAT-3/COSMIC Data Users' Workshop

September 30 – October 2, 2014, Boulder, USA

URL: www.cosmic.ucar.edu/workshop_2014/

INTERGEO / Geodätische Woche

October 7-9, 2014, Berlin, Germany

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

European VLBI Network (EVN) Symposium

October 7-10, 2014, Cagliari, Italy

URL: <http://www.evlbi.org/meetings/meetings.html>

REFAG2014

October 13-17, 2014, Luxembourg

IAG Commission 1 Symposium 2014 "Reference Frames for Applications in Geosciences"

URL: <http://iag.uni.lu/index.php?id=189>

The Climate Symposium 2014

October 13-17, 2014, Darmstadt, Germany

URL: <http://www.theclimatesymposium2014.com>

8th Coastal Altimetry Workshop

October 23-24, 2014, Lake Constance, Germany

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

SARAL/AltiKa Workshop

October 27, 2014, Konstanz, Germany

URL: <http://www.ostst-altimetry-2014.com/>

IDS Workshop

October 27-28, 2014, Konstanz, Germany

URL: <http://www.ostst-altimetry-2014.com/>

19th International Workshop on Laser Ranging

October 27-31, 2014, Greenbelt, MD, USA

URL: <http://ilrs.gsfc.nasa.gov/ilrw19/index.html>

Ocean Surface Topography Science Team (OSTST) meeting

October 28-31, 2014, Konstanz, Germany

URL: <http://www.ostst-altimetry-2014.com/>

Digital Earth Summit 2014

November 9-11, 2014, Nagoya, Japan

URL: <http://gis.chubu.ac.jp/summit2014/>

Third International VLBI Technology Workshop

November 10-13, 2014, Groningen/Dwingeloo, Netherlands

URL: <http://www.jive.nl/ivtw2014/>

International Technical Symposium on Navigation and Timing

November 17-18, 2014, Toulouse, France

URL: <http://cct.cnes.fr/content/international-technical-symposium-navigation-and-timing>

ISPRS Technical Commission I Symposium Sustaining Land Imaging: UAVs to Satellites

November 17-20, 2014, Denver, Colorado, USA

URL: <http://www.commission1.isprs.org/>

PECORA 19

November 17-20, 2014, Denver, Colorado, USA

URL: <http://pecora.asprs.org/>

ICSU GRC Conference "Improving Geophysical Risk Assessment, Forecasting and Management"

November 18-21, 2014, Madrid, Spain

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

Symposium SIRGAS 2014

November 24-26, 2014, La Paz, Bolivia

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

5th GOCE User Workshop

November 25-28, 2014, Paris, France

URL: <http://www.goce2014.org/>

11th International Conference on Location-based Services

November 26-28, 2014, Vienna, Austria

URL: <http://www.lbs2014.org/>

AGU 2014 Fall Meeting

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

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

18. Internationale Geodaetische Woche Obergurgl

February 8 – 14, 2015, Obergurgl, Austria

URL: <http://www.mplusm.at/ifg/>

GEOProcessing 2015

February 22 – 27, 2015, Lisbon, Portugal

URL: <http://www.iaia.org/conferences2015/GEOProcessing15.html>

Munich Satellite Navigation Summit 2015

March 24 – 26, 2015, Munich, Germany

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

European Geosciences Union General Assembly 2015

April 12 – 17, 2015, Vienna, Austria

URL: <http://www.egu.eu>

SPACOMM 2015

April 19 – 23, 2015, Barcelona, Spain

URL: <http://www.iaia.org/conferences2015/SPACOMM15.html>

36th International Symposium of Remote Sensing of Environment (ISRSE)

May 11 – 15, 2015, Berlin, Germany

URL: <http://www.isrse36.org/>

8th Workshop on GNSS Reflectometry (GNSS+R 2015)

May 11 – 13, 2015, Potsdam, Germany

URL: <http://www.gnsr2015.org/>

22nd Meeting of the European VLBI Group for Geodesy and Astrometry (EVGA)

May 17 – 21, 2015, Ponta Delgada, Azores, Portugal

URL: <http://evga2015.raege.net/>

TransNav 2015

June 17 – 19, 2015, Gdynia, Poland

URL: <http://transnav2015.am.gdynia.pl>

XXVI IUGG General Assembly

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

Information about registration and accommodation will be available from June 2014. Call for abstracts will be open during summer 2014. Deadline for abstract submission is January 31, 2015.

URL: www.iugg2015prague.com

XXIXth IAU General Assembly

August 3 – 14, 2015, Honolulu, Hawaii, USA

URL: http://www.iau.org/science/meetings/future/general_assemblies/1024/

ISDE 2015

October 6 – 10, 2015, Halifax, Nova Scotia, Canada

URL: <http://isde2015halifax.ca/>

18th Geodynamics and Earth Tide Symposium 2016

June 6 – 9, 2016, Trieste, Italy

URL: <http://www.lithoflex.org/g-et/>

41th COSPAR Scientific Assembly

July 30 – August 7, 2016, Istanbul, Turkey

Reports

The 17th General Assembly of WEGENER: Measuring and Modelling our Dynamic Planet

1 – 4 September, 2014, Leeds, UK

Sub-commission 3.5. of IAG, namely Tectonic and Earthquake Geodesy, organized one of its bi-annual meetings in Leeds, UK.

The 17th General Assembly of Wegener, on earth deformation and the study of earthquakes using geodesy and geodynamics, was held at the University of Leeds, UK, from 1-4 September 2014.

The meeting gathered 110 scientists from across the planet for a week of intense scientific discussion, with the local organisation led by Prof.Dr. Tim Wright, from the School of Earth and Environment at the University of Leeds, with particularly valuable assistance from David Bekaert and Dr Richard Walters.



Photo 1: Wegener participants outside the conference venue at the University of Leeds. (David Bekaert)

The scientific program was put together by an international committee of 22 scientists (details on <http://see.leeds.ac.uk/wegener>), and consisted of sessions on Continental Faulting and the Earthquake Cycle, Subduction Zones, Geodetic Techniques, Geodynamics and Potential Fields, Surface Processes, Volcanic/Magmatic Processes, and Glacial Isostatic Adjustment and Sea Level. In all, there were 42 oral presentations, including 7 keynote talks, and 56 poster presentations. Participants were from 14 countries, spread across 4 continents.

Many of the participants stayed in Leeds for a field trip to Malham in the Yorkshire Dales, where they admired world-famous pristine limestone pavement, and the Mid-Craven Fault, and enjoyed the Yorkshire sunshine.



Photo 2: Wegener participants on the Yorkshire Dales Field Trip. (David Bekaert)

The meeting was generously sponsored by the International Association of Geodesy, the Royal Astronomical Society, the British Geophysical Association, the Natural Environment Research Council's Centre for the Observation and Modelling of Earthquakes, Volcanoes and Tectonics, Getech Ltd, and the University of Leeds, via the Climate and Geohazards Services Hub, the Vice-Chancellor's fund, the Institute of Geophysics and Tectonics and the School of Earth and Environment.

WEGENER board also decided that, next General Assembly will be held in Azores, the junction of three major tectonic plates; the [North American Plate](#), the [Eurasian Plate](#) and the [African Plate](#) in 2016 and will be organized by Prof.Dr. Rui Fernandes.

Full details of presentations, and more photographs, can be seen at <http://see.leeds.ac.uk/wegener>.

PROF.DR. HALUK OZENER
Chair of WEGENER
Chair of IAG- S.C.3.5.