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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

Vacant position at Astronomical Institute, Faculty of Science, University of Bern

Applications are invited for a full professorship in Fundamental Astronomy including the Directorate of the Astronomical Institute,

opening August, 1, 2011, at the Astronomical Institute, University of Bern, Switzerland (<http://www.aiub.unibe.ch>). Candidates should have a strong research record in fundamental astronomy, e.g., **space geodesy** and **astrodynamics**. Current research activities of the institute include space geodesy using GNSS and satellite laser ranging, gravity field determination and optical surveys for natural and artificial bodies in the solar system. The institute develops and operates the Zimmerwald Observatory. The successful candidate is expected to direct the institute's research activities, to attract external funding, and to actively participate in the teaching and supervision of Bachelor and Master students, as well as Ph.D. students.

The University of Bern particularly encourages women to apply for this position.

Applications including a curriculum vitae, a publication list, copies of the five most important publications, a brief outline of past and future research, and a list of external funds raised, should be sent to Prof. U. Feller, Dean of the Faculty of Science, University of Bern, Sidlerstrasse 5. CH-3012 Bern, Switzerland, by **31 March 2010**.

Meeting Announcements

Workshop on Ray - Tracing for Space Geodetic Techniques

April 29-30, 2010, Vienna, Austria

Call for contributions

In recent years, ray - tracing through numerical weather models has become more and more important for the analysis of space geodetic techniques, like the GNSS (Global Navigation Satellite Systems), VLBI (Very Long Baseline Interferometry), DORIS (Doppler Orbitography by Radiopositioning Integrated on Satellite) at radio wavelengths or SLR (Satellite Laser Ranging) at optical frequencies, but also for remote sensing techniques like InSAR (Interferometric Synthetic Aperture Radar). This workshop is devoted to technical and physical details of ray - tracing, to the development of models from the ray - traced delays, and to their application in the analysis of space geodetic observations.

Preliminary list of sessions (29 April 2010, 9:00 - 30 April 2010, 15:00):

Session 1: Technical and physical details of ray - tracing and numerical weather models

Session 2: Models derived from ray - traced delays

Session 3: Analysis of space geodetic observations with ray - traced delays

Participants are asked to send an email with name and affiliation (and ev. title of presentation) to johannes.boehm@tuwien.ac.at before **15 March 2010**. The registration fee of 70 Euro (to be paid in cash onsite) will cover lunches and coffee breaks on both days.

Organisation: Institute of Geodesy and Geophysics, Vienna University of Technology

Location: Institute of Geodesy and Geophysics, Vienna University of Technology, Gußhausstraße 27-29, 1040 Vienna, Austria

Dr. Johannes Böhm
Chair of IAG SC1.1 WG3
johannes.boehm@tuwien.ac.at

Prof. Dr. Harald Schuh
Head of the Institute
harald.schuh@tuwien.ac.at

JOHANNES BÖHM

EUREF Symposium 2010

June 2-5, 2010, Gävle, Sweden

The next EUREF Symposium will be held in Gävle, Sweden, June 2-5, 2010. The 2010 symposium is organised by Lantmäteriet - the Swedish mapping, cadastral and land registration authority - and co-sponsored by KTH Royal Institute of Technology and Onsala Space Observatory at Chalmers University of Technology.

The scientific programme will cover the following preliminary topics:

- Activities of the TWG
- New Developments in GNSS Networks
- Modelling the Earth with GNSS
- Mitigation of GNSS Error Sources
- Height, Gravity, Geoid, and Combination of Techniques
- Improvements and Densifications of the ETRS89
- National Reports

The website of the 2010 symposium www.lantmateriet.se/euref2010 from time to time will be completed. A *Best Student Poster Award* is offered and the winner will be awarded by 100 Euro. Last day for registration is **May 20, 2010**.

HELMUT HORNIK

IAG School on Reference Frames

June 7-12, 2010, Aegean University, Mytilene, Lesbos, Greece

Organized by the IAG Study Group IC-SG1: Theory, implementation and quality assessment of geodetic reference frames (Commission 1, ICCT, IERS)

List of Topics and lecturers (to be completed):

- Basic Concepts of Reference Systems in Geodesy, Astronomy and Geophysics (A. Dermanis)
- Reference Frame Combination and Time Series Analysis (Z. Altamimi)
- Models and Strategies for Global GPS Networks (T. Herring)
- Models and Strategies for Global VLBI Networks (T. Herring)
- Models and Strategies for Global SLR Networks
- Models and Strategies for Global DORIS Networks (P. Willis)
- Height Systems (M. Sideris)
- Geophysical Processes and Coordinate Variations

Inquiries: Prof. Athanasios Dermanis, dermanis@topo.auth.gr

Web: <http://der.topo.auth.gr/school/>

ATHANASIOS DERMANIS

First International School on "The KTH Approach to Modeling the Geoid"

September 20-24, 2010, Istanbul, Turkey

After the successful experiences in the determinations and evaluations of precise local geoid models in different countries, we plan to arrange the First International Geoid School based on the KTH approach. (KTH is a Swedish abbreviation for Royal Institute of Technology, Stockholm, Sweden.). The school takes place on September 20-24, 2010, at, and hosted by, the Department of Geomatic Engineering, Yildiz Technical University, Istanbul, Turkey. The geoid school is lead by

Prof. Lars E. Sjöberg
Royal Institute of Technology
Division of Geodesy
Stockholm, Sweden
Head of Geoid School

Prof. Serif Hekimuglu
Yieldiz Technical University
Institute of Geomatic Engineering
Istanbul, Turkey
Head of L. O. C.

Detailed information and registration form can be downloaded from the following webpage:
<http://www.infra.kth.se/geo/events/geoidschool.html>.

MOHAMMAD BAGHERBANDI
Division of Geodesy
Royal Institute of Technology (KTH)

International Doris Service Workshop 2010

October 21-22, 2010, Lisbon, Portugal

The next International DORIS Service (IDS) workshop will take place at the Lisbon International Fair in Portugal, from 21-22 October 2010.

The purpose of this workshop is to bring together representatives from all DORIS groups to share information about the network, data, products, and to perform inter-comparisons. Developments and scientific results in all aspects of the DORIS system will be highlighted. The meeting will be a forum for discussion and coordination of future activities.

The IDS workshop will be organised in conjunction with:

- The Ocean Surface Topography Science Team (OST-ST) meeting, 18-20 October 2010
- a special meeting: Towards higher resolution remote sensing of ocean dynamics and terrestrial surface waters, 21-22 October 2010

Structure of the meeting:

The IDS workshop will include thematic sessions and a splinter working session over a period of 2 days. The sessions will consist of oral presentations and posters. Among the topics to be discussed will be DORIS results with the new satellites (Jason-2 & Cryosat-2) and progress towards an operational IDS combination.

The workshop is organised by CNES and EUMETSAT.

Organising Committee:

EUMETSAT: Gabriele Kerrmann, Francois Parisot, Madeleine Pooley

CNES: Laurence Amen, Nicole Bellefond, Sophie Coutin-Faye, Pascale Ferrage (IDS)

The Scientific Committee will draw up a programme and an agenda at a later stage, according to the submitted abstracts.

Scientific Committee:

Frank G. Lemoine (chair), John Dow, Laurent Soudarin, Petr Stepanek, Pascal Willis.

Details regarding this IDS workshop as well as more general information on the two other associated meetings will be posted at the end of January 2010, on the conference web site <http://www.ostst-hydro-2010.com>, and on the IDS web site <http://ids-doris.org/html/events/IDS2010/>.

PASCALE FERRAGE

IAG Sponsored Meetings

International VLBI Service for Geodesy and Astrometry (IVS) 2010 General Meeting

February 7-14, 2010, Hobart, Australia

The purpose of the meeting is to assemble representatives from all IVS components to share information, hear reports, and plan future activities. The meeting also provides a forum for interaction with other members of the VLBI and Earth science communities. The keynote of the sixth GM is the new perspectives of the next

generation VLBI system under the theme "VLBI2010: From Vision to Reality". The content of the meeting will be of interest to the broad spectrum of IVS members as well as to the wider VLBI and Earth science community. URL: <http://ivscc.gsfc.nasa.gov/meetings/gm2010>

IAG School on Reference Frames

June 7-12, 2010, Aegean University, Mytilene, Lesvos, Greece

The IAG School on Reference frames is organized by the IAG Study Group IC-SG1: Theory, implementation and quality assessment of geodetic reference frames (Commission 1, ICCT, IERS). For list of topics and other information please visit the webpage of the IAG School at <http://der.topo.auth.gr/school/>.

IAG Related Meetings

5th International Workshop on Digital Approaches in Cartographic Heritage

February 22-24, 2010, Vienna, Austria

The ICA Commission on Digital Technologies in Cartographic Heritage and Vienna University of Technology are pleased to invite you to the 5th International Workshop on Digital Approaches in Cartographic Heritage in Vienna on February 22–24, 2010. Please visit <http://cartography.tuwien.ac.at/cartoheritage/> for details.

GEOProcessing 2010

February 10-15, 2010, St. Maarten, Netherlands Antilles

The Second International Conference on Advanced Geographic Information Systems, Applications, and Services will take place in St. Maarten, Netherlands Antilles from February 10-15, 2010. The topics suggested by the conference can be discussed in term of concepts, state of the art, research, standards, implementations, running experiments, applications, and industrial case studies. Authors are invited to submit complete unpublished papers, which are not under review in any other conference or journal in the following, but not limited to, topic areas. General page of the Conference is <http://www.iaria.org/conferences2010/GEOProcessing10.html>.

Munich Satellite Navigation Summit 2010

March 9-11, 2010, Munich, Germany

The Munich Satellite Navigation Summit 2010 – the eighth one – to be held March 9-11 2010 in the famous “Residenz München”, Germany – has been established as the European and International conference with global impact featuring invited high-ranking worldwide speakers from industry, science and governments dealing with the directions of satellite navigation now and in the future. For online registration and details please visit <http://www.munich-satellite-navigation-summit.org>.

Workshop on Ray – Tracing for Space Geodetic Techniques

April 29-30, 2010, Vienna, Austria

In recent years, ray - tracing through numerical weather models has become more and more important for the analysis of space geodetic techniques. This workshop is devoted to technical and physical details of ray - tracing, to the development of models from the ray - traced delays, and to their application in the analysis of space geodetic observations. Participants are asked to send an email with name and affiliation (and ev. title of presentation) to johannes.boehm@tuwien.ac.at before 15 March 2010.

EGU General Assembly 2010

May 2-7, 2010, Wien, Austria

URL: <http://meetings.copernicus.org/egu2010/>

EUREF Symposium 2010

June 2-5, 2010, Gävle, Sweden

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SPACOMM 2010

June 13-19, 2010 - Athens, Greece

The Second International Conference on Advances in Satellite and Space Communications (SPACOMM 2010) will be held in Athens, Greece, June 13-19, 2010. All tracks are open to both research and industry contributions. For details please visit the webpage of the conference <http://www.iaria.org/conferences2010/SPACOMM10.html>.

SGEM 2010

June 20-26, 2010 – Albena Resort, Bulgaria

The International Multidisciplinary Scientific GeoConference & EXPO – SGEM strengthened its position as one of the largest and successful geoscientific forums in Europe, with popularity exceeding the boundaries of the European Union. It offers the opportunity to share knowledge and experience in the fields of the geosciences. The webpage of the conference is <http://www.sgem.org/>.

First International School on “The KTH Approach to Modeling the Geoid”

September 20-24, 2010, Istanbul, Turkey

First International Geoid School on the KTH Approach will take place on September 20-24, 2010, at Yildiz Technical University, Istanbul, Turkey. Detailed information and registration form can be found on the webpage of the conference <http://www.infra.kth.se/geo/events/geoidschool.html>.

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IGAG Sister Societies' General Assemblies

XXIV FIG International Congress

April 11-16, 2010, Sydney, Australia

The FIG 2010 Congress, hosted by the International Federation of Surveyors (FIG) and Institution of Surveyors, Australia (ISA), is expected to bring together over 2,000 participants from almost 100 countries. The Congress will have a full professional program consisting of more than 80 technical and poster sessions, several workshops, pre-congress seminars, and special forums, including four plenary sessions focusing on the hot issues of the global agenda and of our profession: namely the big challenges of climate change, disaster risk management and good land governance; spatially enabled society; and different aspects of the technological futures. The webpage of the FIG 2010 Congress is www.fig2010.com.