



**International
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Geodesy**
Newsletter

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Information Service of the International Association of Geodesy <http://www.iag-aig.org> newsletter@iag-aig.org

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

General Announcements

Report of the IAG Review Committee for the Period 2003-2007

In May 2004, the IAG President Gerhard Beutler established the IAG Review Committee by appointing Klaus-Peter Schwarz (Canada) as chairman and Luiz Fortes (Brazil), Don Grant (New Zealand), and Pascal Willis (France) as members of the Committee. Work of the Committee commenced in January 2005 on the following subjects:

- a letter by JoAnn Joselyn, the IUGG Secretary General, pointing out discrepancies between the Statutes and Bylaws of the IUGG and the IAG,
- questions concerning individual membership in the IAG, and
- the question whether the COB director should be appointed or elected.



K.P. SCHWARZ

Discussion of these topics was done by e-mail. By the middle of the year good progress had been made on all three topics, and it was decided that a meeting of the Committee at the IAG Scientific Assembly meeting in Cairns would be useful. Marcelo Santos, who had circulated a discussion paper on the topic of individual membership, was invited to attend the Committee meeting. After some stimulating discussion, it was agreed that

- the concerns expressed by the IUGG Secretary General had been answered,
- direct involvement of individual IAG members was possible in sub-commissions and study groups but not in commissions,
- the procedure for the COB director should closely follow that for the IAG Secretary General, i.e. the director should be elected.

After including these changes into the existing IAG Statutes and Bylaws, a letter was sent to all IAG officers in August 2005 inviting their input into the work of the Committee. With one exception, there was no response to this letter in either 2005 or 2006.

In December 2006 Don Grant proposed that the Committee should consider a major restructuring of the Statutes and Bylaws in order to improve functionality and detect inconsistencies. The members of the Committee were unanimous in supporting the proposal. Don Grant offered to provide a first draft. After a period of intense e-mail interaction, the restructuring was completed in time for the deadline (end of February 2007). The new Statutes and Bylaws were sent to the IAG Secretary General with the request to forward them to the Council members. The document was structured in such a way that the

- proposed new Statutes and Bylaws,
 - Statutes and Bylaws as published in the Geodesist's Handbook 2004, and
 - reasons for making changes to the 2004 version
- were shown side by side in three columns to facilitate comparisons.

This document was also presented to the IAG Executive at its meeting in Vienna on April 16, 2007. Detailed discussions took place and some significant changes were made to the version mailed out in February. The changes recommended by the EC were incorporated as corrections to the February 2007 copy and were forwarded to the Secretary General on June 18, 2007 for distribution to the Council members. This version was presented to the IAG Council at its meetings on July 2 and 9, 2007 during the IAG General Assembly meeting in Perugia, Italy. It was adopted as the July 9 version with a few additional changes made at that meeting and in the final editing. The latter was necessary because of changes adopted on July 9, 2007.

Compared to the 2004 version of the Statutes and Bylaws, the following changes were made to the Statutes:

- Statute 1: Definition of geodesy
- Statute 5: Roles of GGOS and COB
- Statute 6: Membership
- Statutes 6, 7, 12: Roles of Council, Bureau, and Executive Committee
- Statutes 8 to 11: Responsibilities of Bureau members
- Statute 13: Roles of delegates and correspondents

Similarly, significant changes were made to the Bylaws. They are as follows:

- Bylaw 1: GGOS and COB defined as components
- Bylaw 3 to 5: Composition of Component and Commission Steering Committees
- Bylaws 13&14: Clarification of the role of the Services
- Bylaw 15: Definition and role of GGOS
- Bylaw 16: Composition of IAG Project Steering Committee
- Bylaw 21: IAG Individual Membership

In addition to the significant changes listed above, a large numbers of minor corrections were made to improve the clarity of the documents and eliminate typing and referencing errors. After the new Statutes and Bylaws had been accepted, a team consisting of P. Willis, F. Barlier, and S. Durand translated the documents into French. Their efficient work is greatly appreciated. A special note of thanks goes to the members of the Review Committee, who put so much time and energy into this task.

October 4, 2007
K.P. SCHWARZ

New IAG Statues and By-laws (2007-)

The new IAG Statues and By-laws valid since the General Assembly in Perugia, can be downloaded from the IAG website in English and French: www.iag-aig.org. Please navigate to the page [Home](#) > [IAG](#) > [IAG Organization](#) > [Statues, By-laws and Rules](#).

IAG COB

Assistant Professor Position - York University, Toronto, Canada

Position Information

Position Rank:	Full Time Tenure Stream - Assistant Professor
Discipline/Field:	Geomatics Engineering
Home Faculty:	Science and Engineering
Home Department:	Earth and Space Science and Engineering
Affiliation/Union:	YUFA
Position Start Date:	July 1, 2008



The Faculty of Science and Engineering, York University, Toronto, Ontario, Canada is seeking applications for one tenure-track professorial stream position in Geomatics Engineering. Preference will be given to candidates who have achieved excellence in research areas that complement the ongoing research activity at York University. Geomatics Engineering and Earth Science research is carried out within the Department of Earth and Space Science and Engineering (www.yorku.ca/esse). Current research includes remote sensing of Earth's surface and atmosphere from space, development of technology for lidar and spectroscopic techniques in remote sensing, synthetic aperture radar, space geodesy and geodynamics, positioning and navigation, geological applications of Geographical Information Systems (GIS) and the development of new GIS techniques.

Applications for an Assistant Professor appointment are invited from candidates with expertise in one of the following specializations: Geographic Information Systems (GIS) with emphasis on, e.g., web-based 3D and 4D GIS, sensor web, participatory GIS, mobile GIS and location-based services and data visualization; or geodynamics and/or geophysics with a focus on airborne and satellite-based applications.

The candidate must hold earned undergraduate and PhD degrees in Engineering, or a closely related discipline. The successful candidate shall demonstrate commitment to the engineering profession by being licensed as a Professional Engineer, or by becoming licensed soon after appointment. The successful candidate will be expected to develop strong, externally funded research programs, and contribute to teaching Engineering courses at the undergraduate and graduate levels. The successful candidate should be eligible for appointment to the Faculty of Graduate Studies. This position is to commence July 1, 2008, and is subject to budgetary approval.

York University is an Affirmative Action Employer. The Affirmative Action Program can be found on York's website at www.yorku.ca/acadjobs or a copy can be obtained by calling the affirmative action office at 416-736-5713. All qualified candidates are encouraged to apply; however, Canadian citizens and Permanent Residents will be given priority.

Applicants should forward a curriculum vitae, an outline of their research plans, single copies of three publications, and the names and contact details of three references, by January 4, 2008, to:

Chair, Search Committee
School of Engineering
Room 1012F, Computer Science and Engineering Building
York University
4700 Keele St.
Toronto, ON Canada M3J 1P3

For additional information contact: gmoore@yorku.ca, Tel. 416.650.8215, Fax. 416.650.8135.
Applicants should indicate their professional engineering status and affirmative action details.

YORK UNIVERSITY

Meeting Announcements

Next courses of the Institute of Geomatics, Spain

Dear Sirs,

We are pleased to inform you about the next courses of the Institute of Geomatics (Castelldefels, Spain):

October, 22 - 26 2007

"Laser Ranging - LIDAR."

Professor: Peter Friess (Optech Int.)

more information <http://www.ideg.es/servlet/auxLlistaEventsLectius?idioma=1&nombre=60>

November, 12 - 16 2007

"Interferometric Synthetic Aperture Radar. Airborne SAR."

Professors: Ricardo Lanari (IREA-CNR, IT) and Joao Moreira (Orbisat, BR)

more information <http://www.ideg.es/servlet/auxLlistaEventsLectius?idioma=1&nombre=21>

These courses of the International Executive M. Sc. in Airborne Photogrammetry and Remote Sensing are also offered to all the people interested in specific training. The language of the classes is English.

Sponsors:

Institut Cartogràfic de Catalunya <http://www.icc.cat>

AL-TOP <http://www.al-top.com/>

and

Optech <http://www.optech.ca/>

OrbiSat <http://www.orbisat.com.br/>

Applanix <http://www.applanix.com/>

TopScan <http://www.topscan.de/>

Registration forms and more information about the activities of the Institute of Geomatics on <http://www.ideg.es>

OLIVEIRA LUCIANA

37th Scientific Assembly of the Committee on Space Research and Associated Events – COSPAR 2008

50th Anniversary Assembly

13 - 20 July 2008, Montreal, Canada.

Contact:

COSPAR Secretariat, c/o CNES, 2 place Maurice Quentin, 75039 Paris Cedex 01, France. Tel: +33 1 44 76 75 10, Fax: +33 1 44 76 74 37. E-mail: cospar@cosparhq.cnes.fr
<http://www.cospar2008.org/> or <http://www.cospar-assembly.org>

Scientific Program Chair:

Prof. Jean-Pierre St.-Maurice, University of Saskatchewan, Saskatoon, Canada

Abstract Deadline:

Mid-February 2008

Topics:

Approximately 85 meetings covering the fields of COSPAR Scientific Commissions (SC) and Panels:

- SC A: The Earth's Surface, Meteorology and Climate
- SC B: The Earth-Moon System, Planets, and Small Bodies of the Solar System
- SC C: The Upper Atmospheres of the Earth and Planets Including Reference Atmospheres
- SC D: Space Plasmas in the Solar System, Including Planetary Magnetospheres
- SC E: Research in Astrophysics from Space
- SC F: Life Sciences as Related to Space
- SC G: Materials Sciences in Space
- SC H: Fundamental Physics in Space
- Panel on Satellite Dynamics (PSD)
- Panel on Scientific Ballooning (PSB)
- Panel on Potentially Environmentally Detrimental Activities in Space (PEDAS)
- Panel on Radiation Belt Environment Modelling (PRBEM)
- Panel on Space Weather (PSW)
- Panel on Planetary Protection (PPP)
- Panel on Capacity Building (PCB)
- Panel on Education
- Special events: 50th anniversary lectures, interdisciplinary lectures, space agency round table, session on EGY - Towards an Earth and Space Science Commons

Papers Published in *Advances in Space Research*, a fully refereed journal.

A. JANOFKY
Associate Director
COSPAR

16th International Workshop on Laser Ranging – Initial Announcement

Poznan Poland, September 22-26, 2008.

The Space Research Centre of the Polish Academy of Sciences has confirmed that the next International Workshop on Laser Ranging will be held in Poznan Poland (15 km from the Borowiec SLR station) on September 22-26, 2008. We ask you to reserve this date on your calendars and plan to attend what will surely be another exciting laser workshop.

CAREY NOLL
Crustal Dynamics Data Information System (CDDIS)

IAG Sponsored Meetings

2007 GEO/GGOS Workshop

5-6 November 2007, ESA-ESRIN, Frascati, Italy

The GGOS Contribution to GEOSS and an Observing System for Geohazards and Disaster Prevention: a GEO Workshop organized by the Global Geodetic Observing System (GGOS). The Workshop is scheduled during the 2007 International Geohazards Week in ESRIN, Frascati (Italy) on 5-9 November 2007. The 2007 International Geohazards Week is a GEO event that contributes to the International Year of Planet Earth. The official Workshop Web Page is hosted by the European Space Agency. For registration, hotel reservation, and abstract submission, please, visit this official page <http://earth.esa.int/workshops/2007Geohazards/>. Additional information on the Workshop background and program is provided at http://cheryl.nbmgu.unr.edu/ggos/ggosws_2007/.

New Challenges in Earth's Dynamics ETS2008

September 1-5 2008, Jena, Germany

Under the sponsorship of the International Association of Geodesy (IAG), the Commission 3 (Geodynamics) & the sub-commissions on earth Tides (3.1), Crustal Deformation (3.2), Geophysical Fluids (3.3) and the Global Geodynamics Project (GGP) organise for the first time a joint meeting which will include the 16th International Symposium on earth Tides. The assembly will provide a unique opportunity to exchange new results and strategies to meet the current challenges of earth's dynamics from different viewpoints. For details, please visit www.ets2008.de.

IAG Related Meetings

UN-SPIDER Workshops

The following UN-SPIDER Workshops are confirmed for 2007:

- Space-based Information and Solutions for Disaster Management and Emergency Response" in Bonn, Germany, 29 to 31 October 2007
- Building Upon Regional Space-based Solutions for Disaster Management and Emergency Response" in Guangzhou, China, 03 to 05 December 2007
- Space-based Solutions for Disaster Management and Emergency Response" in Khartoum, Sudan, 09 to 12 December 2007

For further information on the above UN-SPIDER Workshops please visit the UNOOSA website: <http://www.unoosa.org/oosa/en/unspider/workshops.html>.

2007 International Geohazards Week

5-9 November 2007, ESRIN, Frascati, Italy

The European Space Agency is hosting the 2007 International Geohazards Week in ESRIN, Frascati (Italy) on 5-9 November 2007. The 2007 International Geohazards Week is a GEO event that contributes to the International Year of Planet Earth. Registration is now open: <http://earth.esa.int/workshops/2007Geohazards>.

ACM GIS 2007

7-9 November 2007, Seattle, Washington, USA

The ACM International Symposium on Advances in Geographic Information Systems in 2007 (ACM GIS 2007) is the fifteenth event of a series of symposia and workshops that began in 1993 with the aim of bringing together researchers, developers, users, and practitioners carrying out research and development in novel systems based on geo-spatial data and knowledge, and fostering interdisciplinary discussions and research in all

aspects of geographic information systems. The conference webpage is at <http://www.cise.ufl.edu/dept/acmgis2007/>.

International Symposium “Modern Technologies, Education and Professional Practice in Geodesy and Related Fields”

9-10 November 2007, Sofia, Bulgaria

This International Symposium with a special session for young specialists and students will take place in Sofia on November 09 - 10 November 2007. This symposium is the sixteenth in its turn among the annual international symposia with exhibition, organised by USLMB so far under the auspices and with the sponsorship of the three international surveying organisations: FIG, ISPRS, ICA and also EGoS and CLGE and local and international institutions. For up-to-date information please, visit the Symposium website at: <http://geodesy.fnts-bg.org/>.

2nd Space for Hydrology Workshop

November 12-14 2007, Geneva, Switzerland

The second Space for Hydrology Workshop - "Surface Water Storage and Runoff: Modeling, In-Situ data and Remote Sensing", will be held in Geneva (Switzerland), 12-14 November 2007. For registration, accomodation, and further information on the Second Space for Hydrology Workshop, visit: <http://earth.esa.int/hydrospace07>.

26th ECGS Workshop

November 19-21 2007, Luxembourg

The 26th edition of the multi-disciplinary ECGS workshops is dedicated this year to Continental Rifting and Volcanology, with special focus on the Virunga (North Kivu, DR of Congo). For more information, please visit the Workshop webpage: <http://www.ecgs.lu/index.php?option=news&task=viewarticle&sid=17>.

IGNSS 2007

December 4 - December 6 2007, Sydney, Australia

The IGNSS Symposium includes open forums where users can discuss the implementation and application of GNSS and other location technologies. The website of the Symposium can be found at <http://www.ignss.org/>.

3rd WCRP

January 20 – February 1, 2008, Tokyo, Japan

Third World Climate Research Programme (WCRP) International Conference on Reanalysis is planned to take place in Tokyo, Japan from 28th January to 1st February 2008. See http://jra.kishou.go.jp/3rac_en.html for further information.

ION NTM 2008: Exploring the Future Uses of Navigation Technology

January 28 - 30 2008, San Diego, California, USA

The Institute of Navigation's 2008 National Technical Meeting will focus on how the existing sources of navigation technology will be enhanced to provide improvements to the user community. See the ION website (www.ion.org) for details.

ISU's 12th Annual Symposium ‘Space Solutions to Earth’s Global Challenges’

February 20-22 2008, Strasbourg, France

The 12th Annual International Symposium: “Space Solutions to Earth’s Global Challenges” organized by the International Space University (ISU) will be held in Strasbourg, France from 20-22 February 2008. Abstract Deadline is 5th October 2007. See <http://www.isunet.edu/>.

PLANS 2008: Position Location and Navigation Symposium

May 6 - 8 2008, Monterey, California, USA

PLANS 2008 is the second biennial conference co-sponsored by the IEEE and the ION. Please visit the website www.plansconference.org for details.

Measuring the changes

May 12-15 2008, Lisbon, Portugal

This conference is the second joint meeting of the two groups under the theme “Measuring the Changes”, combining the 13th FIG Symposium on Deformation Measurements and Analysis with the 4th IAG Symposium on Geodesy for Geotechnical and Structural Engineering.. The recent catastrophic disasters have dramatically increased the importance, and demand, for fully automated, continuous, and reliable deformation monitoring in the civil engineering, mining, and energy sectors. The Conference webpage is <http://measuringchanges.lnec.pt/>.

International Symposium on the Effect of Climate Change on the World's Oceans

May 19-23 2008, Gijón, Spain

Climate change is the most important threat to the Earth. Even if we stabilize CO₂ emissions, the 2007 IPCC (Intergovernmental Panel on Climate Change) Assessment confirms that warming will continue for decades and sea level will continue to rise for centuries. The Symposium will bring together results from observations, analyses and model simulations, at a global scale, and will include discussion of the climate change scenarios and the possibilities for mitigating and protecting the marine environment and living marine resources. For details, please visit http://www.pices.int/meetings/international_symposia/2008_symposia/Climate_change/

37th Scientific Assembly of the Committee on Space Research and Associated Events – COSPAR 2008

50th Anniversary Assembly

13 - 20 July 2008, Montreal, Canada.

The 50th Anniversary Assembly COSPAR 2008 will be held in Montreal, Canada. For more information about this particular event please visit the Assembly website at <http://www.cospar2008.org/>.

16th International Workshop on Laser Ranging

22-26 September 2008, Poznan, Poland

The next International Workshop on Laser Ranging will be held in Poznan Poland (15 km from the Borowiec SLR station) on September 22-26, 2008.

HydroChange 2008

October 1-3, 2008, Kyoto, Japan

The HydroChange 2008 Symposium “Hydrological changes and management from headwater to the ocean” will be held at Kyoto Garden Palace, Kyoto, Japan. Please visit the official web site of the Symposium at http://www.chikyu.ac.jp/HC_2008.

XXXVI IAH Congress

October 26-31, 2008, Toyama, Japan

“Integrating Groundwater Science and Human Well-being” congress is planned to be held in Toyama, Japan. Please visit <http://www.envr.tsukuba.ac.jp/~IAH2008>.

IAG Sister Societies' General Assemblies

Associations' Scientific Assemblies of the IUGG

- IUGG/IAGA, August 23-30, 2009, Sopron, Hungary
- IUGG/IAHS, September 7-12, 2009, Hyderabad, India
- IUGG/IASPEI, January 10-16, 2009, Cape Town, South Africa
- IUGG/IAG, August 31-September 4, 2009, Buenos Aires, Argentina
- IUGG/IACS-IAMAS-IAPSO, July 19-29, 2009, Montreal, Canada
- IUGG/IAVCEI, August 12-15, 2008, Reykjavik, Iceland

XXI ISPRS Congress

July 3-11, 2008, Beijing, China

The quadrennial ISPRS Congress will be hosted by the Chinese Society of Geodesy, Photogrammetry and Cartography, with the theme 'Silk Road for Information from Imagery'. It is worth mentioning that ISPRS 2008 Beijing will be held just one month before 2008 Beijing Olympic Games when the city will become the focus of world attention. Detailed information is available from the Congress website: <http://www.isprs2008-beijing.org/>.

33rd International Geological Congress IGC

August 6-14, 2008, Oslo, Norway

The 2008 Congress will be held in collaboration with the International Union of Geological Sciences (IUGS) and many other international and national organisations, the National IUGS Committees in the five Nordic Countries (Norden): Norway, Denmark, Finland, Iceland and Sweden. Please visit <http://www.33igc.org/> for more information about the IGC 2008.

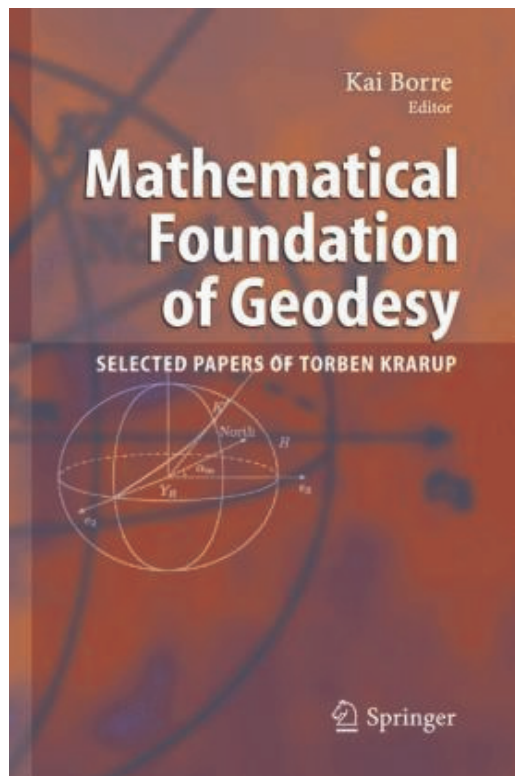
IAVCEI 2008 General Assembly

August 18-24, 2008, Reykjavik, Iceland

Reykjavik is an excellent place to host the IAVCEI General Assembly in 2008. The main theme of the meeting will be "Understanding Volcanoes". The meeting is devoted to volcanism and volcano-tectonics of all environments and the impact of volcanic eruptions on the surface environment and human activities. The website of the Assembly is <http://www.iavcei2008.hi.is/>.

Book Review

Kai Borre (Editor): Mathematical Foundation of Geodesy: Selected Papers of Torben Krarup



Title: Mathematical Foundation of Geodesy: Selected Papers of Torben Krarup
Author: Kai Borre (Editor)
Publisher: Springer
ISBN-10: 3540337652
ISBN-13: 978-3540337652
Year: 2006
Price: EUR 149
Pages: 416 p.
Details: Hardcover

The work of Torben Krarup is a pillar of the foundations of Physical Geodesy.

Due to the character of this author many of his papers have been published only informally or even only given in hand written form to friends. I think that the famous letters on Molodensky's problem, that were

really never published before, have been the most important contribution to the subject, after the original paper by Molodensky, Yurkina and Eremeiev, for several decades.

So due merit should be given to Kai Borre for taking the burden of collecting most of the work of Krarup in a book. I hope this will be influential for the new generations of young scientists working in Geodesy, as it has been for me. Torben Krarup has been an older dear friend for me; he has never been directly my teacher but his ideas have always strongly excited my scientific curiosity, urging me to go deeper into the understanding of difficult problems related to potential theory, but, on the same time, to look with interest at many different questions of our science, even the most classical as, for instance, the item of network adjustment.

So, many are the facets of geodesy one can find in the book, but I'll try to assess what are in my opinion the major achievements, from the general theoretical point of view. These, I believe, are three:

- 1) the first and most important is the capability of looking at spaces of functions harmonic on different sets, all together. As an example, the density properties of the range of the restriction operator leading to the famous Runge-Krarup theorem, have laid the foundations of collocation theory. But even more important has been the statement that spaces of harmonic functions should be studied with the tools of topological spaces, so that many results have been derived at once for all compatible Hilbert spaces, following Krarup's terminology,
- 2) the idea of integrated geodesy basically stating that all geodetic problems, with finite or infinite dimensional unknowns could and should be treated in one and the same way under the same optimization principle,
- 3) the concept that everything in geodesy could be expressed in both discrete or continuous terms and in such a way that the corresponding theories could be always transformed one into the other. This has lead on one side to beautiful results on the problem of convergence of collocation solutions, on the other and almost opposite side, to the elegant theory of continuous geodetic networks.

Let me express my warmest wish that young geodesists will understand how important it is to continue this work and new passion will boost a novel era of enhancement of Geodetic Theory.

FERNANDO SANSÒ

Fast Bibliography

The fast bibliography consists of a listing of papers relevant to Geodesy that has been collected by the IAG Bibliographic Service (IBS) since previous issue of the fast bibliography (IAG Newsletter July 2007 and Journal of Geodesy 81/10). The IBS is based on the literary data bank GEOPHOKA, which is maintained by BKG (Budensamt für Kartographie und Geodäsie) at the Branch Office Leipzig, Leipzig Zentrale technisch – wissenschaftliche Angelegenheiten, Bibliothek, Karl-Rothe Strasse 10-14, 0415 Leipzig, Germany. The IBS can be reached at the following Internet address: <http://www.leipzig.ifag.de>. The bibliographic services are furthermore reachable through the homepage of IAG: <http://www.iag-aig.org>.

Adam, Jozsef: Az IAG globalis geodeziai megfigyeloerendszere, Geodezia es Kartografia, Budapest 58(2006)7. - pp. 6-17, 2006

Akyilmaz, O.: Total least squares solution of coordinate transformation, Survey Review, London, Vol. 39, 2007, No. 303. - pp. 68-80, 2007

Alkhatib, H., Schuh, W.-D.: Integration of the Monte Carlo covariance estimation strategy into tailored solution procedures for large-scale least squares problems, Journal of Geodesy, Berlin Vol. 81, Nr. 1, Jan. 2007. - pp. 53-66, 2007

Altamimi, Z., Collilieux, X., Boucher, C.: DORIS contribution to ITRF2005, Journal of Geodesy, Berlin, Vol. 80, Nr. 8-11, Nov. 2006. - pp. 625-635, 2006

Alves, Daniele Barroca Marra, Monico, Joao Francisco Galera: Mitigating systematic errors for single frequency GPS receivers employing a penalized least squares methodology, Navigation : Journal of The Institute of Navigation, Alexandria, Virginia 53(Fruehjahr 2006)1. - pp. 53-59, 2006

Antolin, Roberto, Brovelli, Maria Antonia, Vismara, Francesco, Filippi, Federica: Digital terrain models determination by LIDAR technology : Po basin experimentation, Bolletino di Geodesia e Scienze Affini, Firenze 65(2006)2. - pp. 69-89, 2006

Antonopoulos, Aggelos: The unified approach to least squares in step-by-step procedures, Bolletino di Geodesia e Scienze Affini, Firenze 65(2006)3. - pp. 125-138, 2006

- Astronomisches Recheninstitut Heidelberg (Hrsg.), Schwan, H. (Bearb.), Wambsganss, J. (Bearb.): Apparent place of fundamental stars 2007 : for 64 stars selected from the Sixth Catalogue of Fundamental Stars, Geodetski vestnik, Karlsruhe : Braun, 2006. - 39 pp., 2006
- Awange, J.L., Fukuda, Y.: Resultant optimization of the three-dimensional intersection problem, Survey Review, London, Vol. 39, 2007, No. 304. - pp. 100-108, 2007
- Bail, K. Le: Estimating the noise in space-geodetic positioning : the case of DORIS, Journal of Geodesy, Berlin, Vol. 80, Nr. 8-11 , Nov. 2006. - pp. 541-565, 2006
- Barriot, J.P. (Hrsg.), Langellier, B. (Hrsg.): Summer school on micro-gravimetric methods: Lanzarote, Canaries, October 23-28, 2005, Geodetski vestnik, 2005. - CD-ROM, 2005
- Bauer, Frank, Mathe, Peter, Pereverzev, Sergei: Local solution to inverse problems in geodesy, Journal of Geodesy, Berlin Vol. 81, Nr. 1 , Jan. 2007. - pp. 39-51, 2007
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