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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

International IGeS Geoid School 2005

The new Geoid School 2005 will be organized in Budapest, Hungary by Budapest University of Technology and Economics (BUTE) and Hungarian Academy of Sciences (HAS) BUDAPEST, Hungary.

Preliminary Program of the School:

1st day (31 January 2005)

0830 Participants check and Opening Ceremony
0930 Lecture 1 – General Introduction to Physical Geodesy (prof. F. Sansò/R. Barzaghi)
1115 Lecture 2 – General Theory for Geoid Computation, (prof. F. Sansò/R. Barzaghi)
1400 Lecture 3 – The Remove Restores Concept (prof. F. Sansò/-R. Barzaghi)
1545 Seminar – Present day activities of BGI (prof. J.P. Barriot)

2nd day (1 February 2005):

0830 Lecture 4 – The Global Geopotential Models (prof. P. Schwintzer)
1015 Lecture 4 (Continues)
1430 Exercises 1 on Global Models (prof. P. Schwintzer)
1545 Exercises 2 on Global Models

3rd day (2 February 2005):

0830 Lecture 5 - The Collocation Method in Geodesy (prof. C.C. Tscherning)
1015 Lecture 5 – (Continues)
1400 Exercises 1 on Collocation (prof. C.C. Tscherning)
1545 Exercises 2 on Collocation (prof. C.C. Tscherning)

4th day (3 February 2005):

0830 Lecture 6 – The FFT Methods to Geodesy (prof. M. Sideris)
1015 Lecture 6 (Continues)
1400 Exercises 1 (prof. M. Sideris)
1545 Exercises 2 (prof. M. Sideris)

5th day (4 February 2005):

0830 Lecture 7 – The Terrain Effect in Geoid Estimation (prof. I. Tziavos)
1015 Lecture 7 (Continues)
1430 Exercises (prof. I. Tziavos)
1545 Exercises (Continues)
1645 Closing Ceremony

FROM: WWW.IAG-AIG.ORG

Meeting Announcements

IAG Sponsored Meetings

Gravity, Geoid and Space Missions – GGSM2004

30 August – 3 September 2004, Porto, Portugal
IAG International Symposium

visit <http://www.fc.up.pt/ggsm2004/> for more information.

12th General Assembly of the WEGENER project

21-23 September 2004, Tangier, Morocco

For details, please visit the *new webpage* at: <http://perso.menara.ma/~tmourabit/>.

The 2004 International Symposium on GPS/GNSS (GNSS 2004)

6-8 December 2004, Sydney, Australia

Internet: www.gnss2004.org.

IAG-IASPEI Joint Capacity Building Workshop

17-23 January 2005, Miramare-Trieste, Italy

The Abdus Salam International Centre for Theoretical Physics (ICTP), will organize a Workshop on Deformation Measurements and Understanding Natural Hazards in Developing Countries. The Workshop will co-sponsored by IAG, IASPEI and IUGG. Please visit <http://agenda.ictp.trieste.it/smr.php?1642> for more information.

International IGeS Geoid School

31 January- 5 February 2005, Budapest, Hungary

The next International IGeS School on "The Determination and Use of the Geoid" will be at Budapest, Hungary. The preliminary program and related information is available at <http://www.iag-aig.org>.

International Symposium on Geodetic Deformation Monitoring - From Geophysical to Engineering Roles

17-19 March, 2005, Jaén (Spain)

The International Symposium on Geodetic Deformation Monitoring: From Geophysical to Geodetic Roles will be held at the University of Jaén (Spain) from 17th to 19th March 2005. The Symposium will be hosted by the Geodesy Research Group of the University of Jaén. For more information please visit the workshop web site at <http://www.ujaen.es/huesped/gdeforma/>.

IAG Related Meetings

Map Asia 2004 Conference

26 – 29 August 2004, Beijing, China

Visit <http://www.mapasia.org> for more information.

Laser Scanner Conference

3 - 6 October 2004, Freiburg im Breisgau, Germany

International Conference "Laser-Scanners for Forest and Landscape Assessment - Instruments, Processing Methods and Applications". For details, visit: <http://www.natscan.de/conference/>.

3rd conference on Geodesy, GIS and Real Estate

13. – 14 October 2004, Herľany, Slovakia

Detailed information you can find at: http://www.fberg.tuke.sk/fakulta/konf_herľany/html/indexen.htm

AARSE Conference and preconference AFREF Workshop

18-22 October 2004, Nairobi, Kenya

The 5th AARSE (African Association of Remote Sensing of the Environment) Conference and AFREF Workshop "Geoinformation Sciences in Support of Africa's Development" will be held in Nairobi, Kenya. For details, please visit <http://www.rcmrd.org/aarse.php>.

19th CODATA International Conference

7-10 November 2004, Berlin, Germany

CODATA - Committee on Data for Science and Technology of the International Council of Science – ICSU Title: "The Information Society: New Horizons for Science". Visit <http://www.CODATA.org/04conf> for more information.

INGEO 2004 3rd International Conference on Engineering Surveying

11-13 November 2004, Bratislava, Slovakia

FIG Regional Conference for Central and Eastern Europe organized by Department of Surveying of the Slovak University of Technology in Bratislava and the Commission 6 of the International Federation of Surveyors (FIG), to be held in Bratislava, Slovakia, November 11–13, 2004. Visit <http://www.fig.net/bratislava> for more information

IAG Sister Societies' General Assemblies

ICC2005 Conference

9-16 July 2005, A Coruña, Spain

The XXII International Cartographic Conference (ICC) is the most important event in the International Cartographic Association (ICA) calendar. Please visit <http://www.icc2005.org> for details.

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 February 2004 and Journal of Geodesy 77/12, June 2004). 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>.

- Abolghasem, A.M. Grafarend, E.W.: Finite element analysis of quasi-static earthquake displacement fields observed by GPS, *J. geod.*, Berlin Vol. 77, Nr. 9 = Dezember 2003. - pp. 529-536, 2003
- Adamienko, O. Kyyak, B. Sledzinski, J. Tretyak, K. Zablotskyj, F.: Ukrainian-Polish geophysical observatory Pip-Ivan in Charnohora Mts : progress report, *Rep. geod.*, Warszawa, 2003, Nr. 1(64). - pp. 213-217, 2003
- Agria Torres, Joao (Hrsg.) Hornik, Helmut (Hrsg.): Activities of the Technical Working Group (TWG) / Status of the EUREF Permanent Network (EPN), *Mitt. Bundesamtes Kartogr. Geod.*, Frankfurt am Main, 2003, Bd. 29. - pp. 31-70, 2003
- Agria Torres, Joao (Hrsg.) Hornik, Helmut (Hrsg.): Report on the EUREF-Symposium in Ponta Delgada, Azores, June 5-8, 2002, *Mitt. Bundesamtes Kartogr. Geod.*, Frankfurt am Main, 2003, Bd. 29. - pp. 19-30, 2003
- Agria Torres, Joao (Hrsg.) Hornik, Helmut (Hrsg.): Report on the Symposium of the IAG Subcommission for Europe (EUREF) held in Ponta Delgada, 5-8 June 2002. Reports of the EUREF Technical Working Group, *Mitt. Bundesamtes Kartogr. Geod.*, Frankfurt am Main, 2003, Bd. 29. - 425 pp. : Abb., Tab., Lit., 2003
- Al-Kamu, Adib: Analiz na razlikata v položenieto na geodezicheski tochki, opredeleni po tradicionni metodi i chrez GPS, *Geod., kartogr., zemeustrojstvo, Sofija* 43(2003)3-4. - pp. 12-15, 2003
- Alef, Walter Mueskens, Arno: MPIfR-BKG MKIV correlator report, *J. geod.*, Frankfurt am Main, 2003. - pp. 15-18, 2003
- Antonopoulos, Aggelos: Relativistic transformation of an ellipsoid, *Artif. satell. : j. planet. geod.*, Warszawa 38(2003)2. - pp. 67-72, 2003
- Arntz, Wolf E. (Hrsg.) Brey, Thomas (Hrsg.): Expedition ANTARKTIS XIX/5 (LAMPOS) of RV 'Polarstern' in 2002, *Ber. Polar- Meeresforsch., Bremerhaven*, 2003, Nr. 462. - 120 pp. : Abb., Tab., Lit., 2003
- Ateya, Ismail Lukandu Takemoto, Shuzo: Variable density determination across sub-surface fault-like structures, *Allg. Vermess.nachr.*, Heidelberg 111(2004)1. - pp. 20-24, 2004
- Awange, Joseph L. Grafarend, Erik W. Fukuda, Yoichi: Closed form solution of the triple three-dimensional intersection problem, *Z. Geod., Geoinf. Landmanag.*, Augsburg 128(2003)6. - pp. 395-402, 2003
- Bakula, M. Oszczak, S.: Application of GPS technique to calibration of satellite images, *Rep. geod.*, Warszawa, 2003, Nr. 1(64). - pp. 179-183, 2003
- Bakula, Mieczyslaw: A mathematical model of DGPS corrections, *Rep. geod.*, Warszawa, 2003, Nr. 2(65). - pp. 85-88, 2003
- Bakula, Mieczyslaw: DGPS with the use of reference stations, *Rep. geod.*, Warszawa, 2003, Nr. 1(64). - pp. 257-263, 2003
- Baran, L.W. Krankowski, A. Shagimuratov, I.I. Wielgosz, P.: Participation of Lankowo Satellite Observatory in ionospheric researches, *Rep. geod.*, Warszawa, 2003, Nr. 2(65). - pp. 195-202, 2003
- Barbarella, Maurizio Gandolfi, Stefano: GPS-RTK coupled with classical measurements for survey of fiducial cadastral points : consideration and results, *Rep. geod.*, Warszawa, 2003, Nr. 2(65). - pp. 135-144, 2003
- Barlik, Marcin \0C Pachuta, Andrzej Olszak, Tomasz: Gravimetric monitoring of hydrotechnic objects, *Rep. geod.*, Warszawa, 2003, Nr. 1(64). - pp. 201-206, 2003
- Barlik, Marcin Leonczyk, Marcin: On the Bjerhammar's problem solution using vertical gravity gradient anomalies (Basing on model tests and the example of the geodetic test-field near Grybow), *Rep. geod.*, Warszawa, 2002, Nr. 2(62). - pp. 29-50, 2002

- Barlik, Marcin Wos-Sosinska, Anna: Investigations of a possibility of the Rudzki's anomalies determination using the Faye's anomalies in the geodetic test field near Grybow - the Carpathians, South Poland, Rep. geod., Warszawa, 2003, Nr. 1(64). - pp. 155-163, 2003
- Barzaghi, Riccardo Borghi, Alesandra Kuehtreiber, Norbert Sona, Giovanna: Precise geoid estimation in the Brennero area, Rep. geod., Warszawa, 2003, Nr. 2(65). - pp. 279-288, 2003
- Batet Lopez, Adria Gracia Gomez, Carlos Gonzales Lopez, Sergio: Metodo de Posicionamiento Cinematico en Tiempo Real (RTK): Fiabilidad y Aplicaciones, Topogr. cartogr., Madrid Vol. 20, 2003, Nr. 117. - pp. 30-32, 34-38, 2003
- Battaglia, Maurizio Zuliani, David Pascutti, Davide Michelini, Alberto Marson, Iginio Murray, Mark H. Buergermann, Roland: Network assesses earthquake potential in Italy's Southern Alps, EOS : transactions, Washington 84(2003)28. - pp. 262, 264, 2003
- Benedetto, C. Gatti, M. Vespe, F.: Effects of the orbital uncertainties on atmosphere profiles retrieved with the GNSS radio occultation technique, Rep. geod., Warszawa, 2003, Nr. 2(65). - pp. 203-211, 2003
- Berk, Sandi Komadina, Zarko Marjanovic, Marijan Radovan, Dalibor Stopar, Bojan: Kombinirani izracun EUREF GPS-kampanj na območju Slovenije, Geod. vestnik, Ljubljana 47(2003)4. - pp. 414-422, 2003
- Bezard-Falgas, Patrick: Information géographique foncière L'heure des choix, Geometre, Paris 146(2003)9. - pp. 33-46, 2003
- Birgel, Daniel: Distribution, composition, flux and variability of organic C carbon in Fram Strait/Yermak Plateau (Arctic Ocean) and (palaeo) environmental significance, Ber. Polar- Meeresforsch., Bremerhaven, 2003, Nr. 463. - 107 pp. : Abb., Tab., Lit., 2003
- Bochev, Toma: Analiz na rezultatite of pilotnite proekti za sahzdavane na geodezicheski mrezi s mestno prednaznachenie prez 2002 godina, Geod., kartogr., zemeustrojstvo, Sofija 43(2003)3-4. - pp. 16-20, 2003
- Boehm, Johannes C Schuh, Harald: Vienna mapping functions, J. geod., Frankfurt am Main, 2003. - pp. 131-143, 2003
- Boehm, Johannes Schuh, Harald Tesmer, Volker Schmitz-Huebsch, H.: Tropospheric zenith delays determined by VLBI as a contribution to climatological studies, J. geod., Frankfurt am Main, 2003. - pp. 237-245, 2003
- Bogdanov, V.I. Malova, T.I.: O sistemakh scheta vysot v geodezii i otscheta izmerenij v metrologii urovnemernykh nabludenij C , Geod. kartogr., Moskva 79(2003)5. - pp. 11-16, 2003
- Bogusz, Janusz: First results of tidal observations with ET-26, Rep. geod., Warszawa, 2003, Nr. 1(64). - pp. 133-141, 2003
- Borza, Tibor Frey, Sandor: Az europai mueholdas helymeghatározás es varható hatása a geodeziára, Geod. kartogr. C , Budapest 55(2003)12. - pp. 16-20, 2003
- Bosch, Wolfgang: Satellitenmissionen : Chancen und Herausforderungen fuer die Physikalische Geodaesie, Dtsch. Geod. Komm., R. E, Muenchen, 2002, Nr. 26. - pp. 74-83, 2002
- Brand, Klaus Nefzger, Armin: Nuetzliche Helfer im Gelaende : Leistungsmerkmale und Einsatzgebiete mobiler GPS-GIS-Loesungen, GeoBIT, Heidelberg 8(2003)11. - pp. 30-32, 2003
- Broederbauer, Veronika Weber, Robert: Results of modelling GPS satellite clocks, Oesterr. Z. Vermess. Geoinf., Wien 91(2003)1. - pp. 38-47, 2003
- Brown, Carlton A.: Investigacion del uso de la Normal Elipsoidal para modelar la linea de plomada en un Catastro Milimetrico, Topogr. cartogr., Madrid Vol. 20, 2003, Nr. 117. - pp. 45-50, 2003
- Burke, Michael: Transfer of Admiralty Charts of the British Isles to a WGS84 Compatible Datum, Cartogr. j., Aberdeen 40(2003)1. - pp. 89-93, 2003
- Busse, Franz D. How, Jonathan P. Simpson, James: Demonstration of adaptive extended Kalman filter for low-earth-orbit formation estimation using CDGPS, Navigation : j. Inst. Navig., Alexandria, Virginia 50(2003)2. - pp. 79-93, 2003 C
- Butsch, Felix Kipka, Adrian: Die Bedeutung des Signal- zu Rauschleistungsverhaeltnisses und verwandter Parameter fuer die Messgenauigkeit bei GPS, Allg. Vermess.nachr., Heidelberg 111(2004)2. - pp. 46-55, 2004
- Campbell, J. Goerres, B. Seeber, G.: Bericht zum 5. Antennenworkshop am 3. November 2003 in Frankfurt/Main., Z. Geod., Geoinf. Landmanag., Augsburg 129(2004)1. - pp. 64-65, 2004
- Campbell, James Goerres, Barbara Siemens, Matthias Wirsch, Jens Becker, Matthias: Zur Genauigkeit der GPS Antennenkalibrierung auf der Grundlage von Labormessungen und deren Vergleich mit anderen Verfahren, Allg. Vermess.nachr., Heidelberg 111(2004)1. - pp. 2-11, 2004
- Campbell, James: European vertical site motions by VLBI and GPS : an update, J. geod., Frankfurt am Main, 2003. - pp. 267-277, 2003
- Campbell, R.M.: The EVN MkIV data processor at JIVE, J. geod., Frankfurt am Main, 2003. - pp. 23-32, 2003
- Canals, Miguel Calafat, Antoni Camerlenghi, Angelo Batist, Marc de Urgeles, Roger Farran, Marcel Li Galetti, Riccardo Versteeg, Wim Amblas, David Robesco, Michele: Uncovering the footprint of former ice streams off Antarctica, EOS : transactions, Washington 84(2003)11. - pp. 97, 102-103, 2003
- Caporali, A. Dalla Torre, A. Fucchinetti, C.: Precise orbit determination using LEO-GPS satellite to satellite tracking approach, Rep. geod., Warszawa, 2003, Nr. 2(65). - pp. 221-233, 2003
- Caporali, Alessandro Papao, J. Walo, J.: The contribution of the University of padova to Central European geodsy, Rep. geod., Warszawa, 2003, Nr. 1(64). - pp. 47-56, 2003
- Caporali, Alessandro: The contribution of the University of Padova to Central European geodesy, Rep. geod., Warszawa, 2003, Nr. 2(65). - pp. 23-32, 2003
- Cen, M. Li, Z. Ding, X. Zhou, J.: Gross error diagnostics before least squares adjustment of observations, J. geod., Berlin Vol. 77, Nr. 9 = Dezember 2003. - pp. 503-513, 2003
- Chen, H.-Y. Rizos, C. Han, S.: An instantaneous ambiguity resolution procedure suitable for medium-scale GPS reference station network, Survey rev., London, Vol. 37, 2004, No. 291. - pp. 396-410, 2004
- Ciecko, Adam Oszczak, Bartłomiej Oszczak, Stanislaw: Determination of accuracy and coverage of permanent reference station (DGPS/RTK) in Gdynia, Rep. geod., Warszawa, 2003, Nr. 2(65). - pp. 45-51, 2003

- Ciecko, Adam Oszczak, Stanislaw Popielarczyk, Dariusz Bakula, Mieczylaw Cefalo, Raffaella Manzoni, Giorgio Balint, Jan: Kinematic positioning using EGNOS System Test Bed (ESTB) in Central European countries in 2002, Rep. geod., Warszawa, 2003, Nr. 1(64). - pp. 247-255, 2003
- Cina, Alberto Manzino, Ambrogio Maria Roggero, Marco: Long range RTK, Rep. geod., Warszawa, 2003, Nr. 2(65). - pp. 145-158, 2003
- Cisak, J. Krynski, J. Zanimonsky, Y.M. Wielgosz, P.: Study on the influence of ionosphere on GPS positioning results for Antarctic stations, Rep. geod., Warszawa, 2003, Nr. 2(65). - pp. 213-220, 2003
- Cocon, Stefan Kontny, Bernard Bosy, Jaroslaw: Recent activity of main tectonic zones in Polish Sudety Mts. and Fore-Sidetic Block, Rep. geod., Warszawa, 2003, Nr. 1(64). - pp. 93-102, 2003
- Cory, M.J. Greenway, I.C. Hill, C.J.: GPS compatible positioning in Ireland (Part 2), Survey rev., London, Vol. 37, 2004, No. 291. - pp. 377-395, 2004
- Cramer, Michael: Erfahrungen mit der direkten Georeferenzierung, Photogramm. Fernerkund. Geoinf., Stuttgart 7(2003)4. - pp. 267-278, 2003
- Czapo, Geza: A Pecs-Pogany repueloeteri orszagos gravimetriai es OGPSH alappont athelyezesenek geodeziai-gravimetriai mereseiroel, Geod. kartogr., Budapest 55(2003)8. - pp. 17-20 \0C, 2003
- Czarnecki, K. Mojzes, M. Papao, J. Walo, J.: First results of GPS measurement campaigns in Tatra Mountains, Rep. geod., Warszawa, 2003, Nr. 1(64). - pp. 41-46, 2003
- Czarnecki, Kazimierz Bogusz, Janusz Walo, Janusz: The Institute of Geodesy and Geodetic Astronomy Warsaw University of Technology : current activities, Rep. geod., Warszawa, 2003, Nr. 2(65). - pp. 33-38, 2003
- Csapo, G. Szabo, Z. Voelgyesi, L.: Changes of gravity influenced by water-level fluctuations based on measurements and model computations, Rep. geod., Warszawa, 2003, Nr. 1(64). - pp. 143-153, 2003
- Dankmeyer, Uwe Gerresheim, Frank Vaupel, Gerhard Bachmann, Mark: Bezugssystemwechsel mit dem GNTRANS-Modell : Transformation digitaler Nachweise des Liegenschaftskatasters, Vermessungsingenieur, Wiesbaden 54(2003)6. - pp. 494-501, 2003
- Deimert, Kim Mailler, Rob: A good host : programming interface takes application inside GPS, GPS World, Eugene, Oregon 15(2004)1. - pp. 14-18, 2004
- Ditmar, P. Kusche, J. Klees, R.: Computation of spherical harmonic coefficients from gravity gradiometry data to be acquired by the GOCE satellite: regularization issues, J. geod., Berlin Vol. 77, Nr. 7-8 = Oktober 2003. - pp. 465-477, 2003
- Dolgopolow, A. Kaczmarek, M. Kozlowski, Z. Wolski, A.: The modernization of the DGPS reference station in Dzimnow, Rep. geod., Warszawa, 2003, Nr. 1(64). - pp. 281-286, 2003
- Drewes, Hermann: Das Deutsche Geodaetische Forschungsinstitut - ehemals Abteilung I: Theoretische Geodaesie -, Dtsch. Geod. Komm., R. E, Muenchen, 2002, Nr. 26. - pp. 159-177, 2002
- Drewes, Hermann: Die Entwicklung der geometrischen Referenzsysteme in der Geodaesie, Dtsch. Geod. Komm., R. E, Muenchen, 2002, Nr. 26. - pp. 47-53 \0C, 2002
- El-Sheimy, Naser Osman, Ahmed Nassar, Sameh Noureldin, Aboelmagd: Wavelet multiresolution analysis : a new way to integrate GPS and INS, GPS World, Eugene, Oregon 14(2003)10. - pp. 42-49, 2003
- Elgered, Gunnar Haas, Ruediger: The geodetic VLBI network station at the Onsala Space Observatory : Activities during 2002, J. geod., Frankfurt am Main, 2003. - pp. 61-66, 2003
- Engelhardt, Gerald Thorandt, Volkmar Ullrich, Dieter: IVS Analysis and Data Center at BKG : works in 2002/2003, J. geod., Frankfurt am Main, 2003. - pp. 145-149, 2003
- Eremeev, V.A.: K voprosu sozdaniya konsistentnykh baz dannykh radiojarkostnykh temperatur s razlichnykh sputnikovykh sistem dlja izuchenija variabel'nosti geofizicheskikh parametrov ledovogo pokrova Arktiki, Issl. Zemli kosm., Moskva 24(2003)2. - pp. 59-72, 2003
- Erker, Erhard Hoeggerl, Norbert Imrek, Erich Hofmann-Wellenhof, Bernhard Kuehtreiber, Norbert: The Austrian geoid : recent steps to a new solution, Oesterr. Z. Vermess. Geoinf., Wien 91(2003)1. - pp. 4-13, 2003
- Eschelbach, Cornelia Haas, Ruediger: The IVS-reference point at Onsala : high end solution for a real 3D-determination, J. geod., Frankfurt am Main, 2003. - pp. 109-118, 2003
- Estermann, Gisela Schuh, Harald: Investigation of atmospheric and hydrological loading by VLBI, J. geod., Frankfurt am Main, 2003. - pp. 151-163, 2003
- Evans, A.J. Russel, D.C.: Utilising the Ordnance Survey National GPS Network for digital surface modelling, Survey rev., London, Vol. 37, 2004, No. 291. - pp. 411-417, 2004
- Even-Tzur, Gilad Gollenstede, Andreas: Zur zweistufigen Analyse bei der Modellbildung von Deformation geodaetischer Netze, Z. Geod., Geoinf. Landmanag., Augsburg 128(2003)6. - pp. 403-410, 2003
- Fabiankowitsch, Johannes Kahmen, Heribert Matt, Phillip: Evaluation of the vibrational spectrum of high slim towers with wind electrical trubines, Oesterr. Z. Vermess. Geoinf., Wien 91(2003)1. - pp. 77-84, 2003 \0C
- Featherstone, W.E.: Evidence of a North-South trend between AUSGeoid98 and the Australian Height Datum in Southwest Australia, Survey rev., London, Vol. 37, 2004, No. 291. - pp. 334-343, 2004
- Fejes, I. Pesec, P.: CERGOP-1/Environment - a challenge for the next 3 years, Rep. geod., Warszawa, 2003, Nr. 1(64). - pp. 13-22, 2003
- Fejes, Istvan: Az EUPOS kezdemenyezés, Geod. kartogr., Budapest 55(2003)2. - pp. 22-27, 2003
- Ferencz, Csaba Lichtenberger, Janos Bognar, Peter Molnar, Gabor Steinbach, Peter Timar, Gabor: Mueholdvevoe allomas az ELTE Koernyeztetfizikai Tanszecsopotjan, Geod. kartogr., Budapest 55(2003)9. - pp. 30-33, 2003
- Fiani, Margherita Pistillo, Pasquale: Sviluppo do moderne tecnologie per il rilevamento delle pareti rocciose della Costiera Amalfitana, Riv. agenzia territ., Roma 3(2003)3. - pp. 153-163, 2003
- Filippo, Sabatino di: Sul passaggio delle coordinate plano-cartografiche catastali al sistema WGS84 e viceversa, Riv. agenzia territ., Roma 3(2003)1. - pp. 59-89, 2003

- Fischer, Dorothee Nothnagel, Axel Kilger, R. Schlueter, Wolfgang Kurihara, S. Takashima, K.: The K4 Intensive project 2002 for UT1 determination, *J. geod.*, Frankfurt am Main, 2003. - pp. 165-170, 2003
- Fitzgerald, Ian: GPS World antenna survey 2004, *GPS World*, Eugene, Oregon 15(2004)2. - pp. 28-37 \0C, 2004
- Fitzgerald, Ian: Striking a balance : absolute and relative accuracy within a utility GIS, *GPS World*, Eugene, Oregon 15(2004)2. - pp. 24-27, 2004
- Ford, Thomas J. Himilton, Jason: A new positioning filter : phase smoothing in the position domain, *Navigation : j. Inst. Navig.*, Alexandria, Virginia 50(2003)2. - pp. 65-78, 2003
- Fowler, Robert A.: Variables that affect LiDAR data acquisition, *EOM : mag. geogr., mapp., Earth inf., Frederick* 12(2003)5. - pp. 28, 30-31, 2003
- Fragner, Elisabeth Weber, Robert: Estimation of the tropospheric delay from GNSS data over the Austrian territory, *Oesterr. Z. Vermess. Geoinf.*, Wien 91(2003)1. - pp. 48-53, 2003
- Fritz, Ronald: Mobil in Wald und Flur : Kombiniertes Einsatz von GIS und GPS in der Forst- und Landwirtschaft, *GeoBIT*, Heidelberg 8(2003)7. - pp. 13-15, 2003
- Fu, Lee-Lueng Stammer, Detlef Leben, Robert R. Chelton, Dudley B. \0C: Improved spatial resolution of ocean surface topography from the T/P-Jason-1 altimeter mission, *EOS : transactions*, Washington 84(2003)26 - pp. 241, 247-248, 2003
- Funaki, Minoru Ishikawa, Naoto Yamazaki, Akira Matsuda, Takaaki Dolinsky, Peter: Report on earth science studies in the Mt. Riiser-Larsen area, Amundsen Bay, Enderby Land, 2000-2001 (JARE-42), *Antarctic rec.*, Tokio 47(2003)1. - pp. 1-22, 2003
- Galor, W.: Significance of waterway navigation positioning systems for ship's manoeuvring safety, *Rep. geod.*, Warszawa, 2002, Nr. 2(62). - pp. 63-70, 2002
- Gandolfi, S. Gusella, L. Perfetti, N. Dubbini, M.: Accuracy and precision vs software and different conditions using Italian GPS fiducial network (IGFN) data, *Rep. geod.*, Warszawa, 2003, Nr. 2(65). - pp. 65-71, 2003
- Gerlach, Christian: Zur Hoehensystemumstellung und Geoidberechnung in Bayern, *Dtsch. Geod. Komm.*, R. C, Muenchen, 2003, Nr. 571. - 129 pp. : Abb., Tab., Lit., 2003
- Goral, Wladyslaw: Determination of total zenith delay in the area enclosed in the local permanent GPS stations KRAW + ASG-PL, *Rep. geod.*, Warszawa, 2003, Nr. 2(65). - pp. 127-134, 2003
- Grenerczy, Gyula: Kinematics between the Adriatic and the Eurasian plate \0C interior : further constraints from CEGRN and local space geodetic data, *Rep. geod.*, Warszawa, 2003, Nr. 1(64). - pp. 65-74, 2003
- Grigillo, Dejan Stopar, Bojan: Metode odkrivanja grobih progreskov v geodetskih opazovanjih, *Geod. vestnik*, Ljubljana 47(2003)4. - pp. 387-403, 2003
- Grigoriev, Mikhail N. (Hrsg.) Rachold, Volker (Hrsg.) Bolshiyarov, Dmitry Yu. (Hrsg.) Pfeiffer, Eva-Maria (Hrsg.) Schirmmeister, Lutz (Hrsg.) Wagner, Dirk (Hrsg.) Hubberten, Hans-Wolfgang (Hrsg.): Russian-German Cooperation SYSTEM LAPTEV SEA : The Expedition LENA 2002, *Ber. Polar- Meeresforsch.*, Bremerhaven, 2003, Nr. 466. - 341 pp. : Abb., Tab., Lit., 2003
- Groth, Kerstin: Bestimmung der GPS-Phasenmehrdeutigkeiten - Die TUB-Methode, *Z. Geod., Geoinf. Landmanag.*, Augsburg 128(2003)6. - pp. 388-394 \0C, 2003
- Gueguen, E. Sarti, P. Tavarnelli, E. Vittuari, L. Tomasi, Paolo: Neotectonic geological study and classical geodesy methods applied to active fault monitoring in Ny Aalesund (Western Svalbard), *J. geod.*, Frankfurt am Main, 2003. - pp. 99-108, 2003
- Gundlich, B. Koch, K.-R. Kusche, J.: Gibbs sampler for computing and propagating large covariance matrices, *J. geod.*, Berlin Vol. 77, Nr. 9 = Dezember 2003. - pp. 514-528, 2003
- Guzevich, S.N.: O prichinakh pojavleniya pogreshnosti pri opredelenii urovennojj poverknosti Zemli i ee ustraneni, *Geod. kartogr.*, Moskva 79(2003)6. - pp. 7-11, 2003
- Gyenes, Robert Kulcsar, Attila: Geodeziai meresek feldolgozasat tamogato programok fejlesztese a GEO-ban, *Geod. kartogr.*, Budapest 55(2003)1. - pp. 35-39, 2003
- Haas, Ruediger Elgered, Gunnar Gradinarsky, L. Johansson, J.: Assessing long term trends in the atmospheric water vapor content by combining data from VLBI, GPS, radiosondes and microwave radiometry, *J. geod.*, Frankfurt am Main, 2003. - pp. 279-288, 2003
- Habrigh, Heinz: EUREF Permanent GPS Network analysis update, *Mitt. Bundesamtes Kartogr. Geod.*, Frankfurt am Main, 2003, Bd. 29. - pp. 43-48, 2003
- Haines, Bruce Bertiger, Willy Desai, Shailen Kuang, Da Munson, Tim Young, Larry Willis, Pascal: Inertial orbit determination results for Jason-1 : towards a 1 cm orbit, *Navigation : j. Inst. Navig.*, Alexandria, Virginia 50(2003)3. - pp. 171-180, 2003
- Hannas, G.S. Kharitonov, A.L. Serkerov, S.A.: Principal satellite-measured three-dimensional statistical characteristics of potential fields in East Asia and their relationship to earthquake epicenters, *Mapp. sci. remote sens.*, Columbia 40(2003)2. - pp. 105-117, 2003
- Hase, Hayo Boer, A. Riepl, S. Avendano, M. Sobarzo, S. Aedo, R. Remedi, G. Moreno, M. Sanchez, M. Hermosilla, G.: First results of the TIGO borehole tiltmeters in Concepcion, *J. geod.*, Frankfurt am Main, 2003. - pp. 33-38, 2003
- Hassan, G.S. Kharitonov, A.L. Serkerov, S.A.: Issledovanie glubinnogo stroenija po sputnikovym magnitnym i gravitacionnym dannym, *Issl. Zemli kosm.*, Moskva 24(2003)1. - pp. 28-38, 2003
- Hatanaka, Yuki: Remark on network cluster topology for distributed analyses of wide area GPS networks, *J. Geod. Soc. Japan*, Tsukuba 49(2003)2. - pp. 143-152, 2003
- Heck, Bernhard: Rechenverfahren und Auswertemodelle der Landesvermessung : Klassische und moderne Methoden, *J. geod.*, Heidelberg : Wichmann, 2003. - 437 pp. : Abb., Lit., 2003
- Hefty, Jan Duraciova, Renata: Stochastic properties of deformation characteristics obtained from GPS site velocities, *Rep. geod.*, Warszawa, 2003, Nr. 1(64). - pp. 33-40, 2003

- Hernandez-Pajares, M. Juan, J.M. Sanz, J. Colombo, O.L.: Impact of real-time ionospheric determination on improving precise navigation with GALILEO and next-generation GPS, *Navigation : j. Inst. Navig., Alexandria, Virginia* 50(2003)3. - pp. 205-218, 2003
- Hobiger, Thomas Boehm, Johannes Todorova, Sonya Schuh, Harald: The project 'VLBIonos' : how VLBI contributes to ionospheric research, *J. geod., Frankfurt am Main*, 2003. - pp. 291-298, 2003
- Hongwai, Sun Imae, Michito Gotoh, Tadahiro: Performance of two-way satellite time and frequency transfer in Asia-Pacific region, *J. Geod. Soc. Japan, Tsukuba* 49(2003)2. - pp. 135-142, 2003
- Honkavaara, Eija: Calibration block structures for GPS/IMU/Camera-System calibration, *Photogramm. j. Finland, Helsinki* 18(2003)2. - pp. 3-15, 2003
- Hu, Wusheng Kong, Yuedong Deng, Yongfeng Luang, Shanlong: Nuevo metodo, basado en redes neuronales, para obtener la attitude normal a partir de la altitud GPS, *Topogr. cartogr., Madrid* Vol. 20, 2003, Nr. 118-119. - pp. 79-84, 2003
- Huck, Bastian Rueffer, Juergen: SWIPPA - Ein ESA-Projekt der ALLSAT mit dem DLR : Auswirkungen des Weltraumwettlers auf die praezise GNSS-Positionierung, *Vermessungsingenieur, Wiesbaden* 55(2004)1. - pp. 4-6, 2004
- Hug, Christoph: Airborne Laserscanning und direkte Sensororientierung, *Photogramm. Fernerkund. Geoinf.* 7(2003)4. - pp. 303-306, 2003
- Ihde, Johannes Adam, Jozsef Bryninx, Carine Kenyeres, Ambrus Simek, Jaroslav: EUREF Permanent Network (EPN) : developments and applications, *Mitt. Bundesamtes Kartogr. Geod., Frankfurt am Main*, 2003, Bd. 29. - pp. 71-137, 2003
- Ihde, Johannes Adam, Jozsef Bryninx, Carine Kenyeres, Ambrus Simek, Jaroslav: Proposal for the development of an European Combined \0C Geodetic Network (ECGN), *Mitt. Bundesamtes Kartogr. Geod., Frankfurt am Main*, 2003, Bd. 29. - pp. 49-67, 2003
- Ihde, Johannes Kusche, Juergen Boedecker, Gerd Mueller, Juergen Schuh, Harald Heck, Bernhard Schuh, Wolf-Dieter Wolf, Detlef Grafarend, Erik W.: Bericht ueber die Geodaetische Woche GW 2003 in Hamburg vom 16. bis 19. September 2003, *Z. Geod., Geoinf. Landmanag., Augsburg* 129(2004)1. - pp. 65-70, 2004
- Ihde, Johannes Pahler, Karlheinz Sacher, Martina Weber, Georg: 27th Meeting of the EUREF Technical Working Group in Padora, October 1-2, 2001, *Mitt. Bundesamtes Kartogr. Geod., Frankfurt am Main*, 2003, Bd. 29. - pp. 407-411, 2003
- Ihde, Johannes Pahler, Karlheinz Sacher, Martina Weber, Georg: 28th Meeting of the EUREF Technical Working Group in Berne, March 14-15, 2002, *Mitt. Bundesamtes Kartogr. Geod., Frankfurt am Main*, 2003, Bd. 29. - pp. 412-416, 2003
- Ihde, Johannes Pahler, Karlheinz Sacher, Martina Weber, Georg: 29th Meeting of the EUREF Technical Working Group in Ponta Delgada, June 4, 2002, *Mitt. Bundesamtes Kartogr. Geod., Frankfurt am Main*, 2003, Bd. 29. - pp. 417-420, 2003
- Ihde, Johannes Pahler, Karlheinz Sacher, Martina Weber, Georg: 30th Meeting of the EUREF Technical Working Group in Delft, November 7-8, 2002, *Mitt. Bundesamtes Kartogr. Geod., Frankfurt am Main*, 2003, Bd. 29. - pp. 421-425, 2003
- Ihde, Johannes Pahler, Karlheinz Sacher, Martina Weber, Georg: National report of Germany on EUREF, *Mitt. Bundesamtes Kartogr. Geod., Frankfurt am Main*, 2003, Bd. 29. - pp. 256-259, 2003
- Ihde, Johannes Pahler, Karlheinz Sacher, Martina Weber, Georg: Other EUREF related contributions, *Mitt. Bundesamtes Kartogr. Geod., Frankfurt am Main*, 2003, Bd. 29. - pp. 313-332, 2003
- Ihde, Johannes Pahler, Karlheinz Sacher, Martina Weber, Georg: Posters, *Mitt. Bundesamtes Kartogr. Geod., Frankfurt am Main*, 2003, Bd. 29. - pp. 335-403, 2003
- Ihde, Johannes: IAG-Symposium. Session G01 - Positioning, *Z. Geod., Geoinf. Landmanag., Augsburg* 129(2004)1. - pp. 16-17, 2004
- Ineichen, D. Beutler, G. Hugentobler, U.: Sensitivity of GPS and GLONASS orbits with respect to resonant geopotential parameters, *J. geod., Berlin* Vol. 77, Nr. 7-8 = Oktober 2003. - pp. 478-486, 2003
- International Earth Rotation and Reference Systems Service (Hrsg.) Dick, Wolfgang R. (Hrsg.) Richter, Bern (Hrsg.): IERS annual report 2002, *Dtsch. Geod. Komm., R. E, Frankfurt am Maim : Bundesamt fuer Kartographie und Geodaesie*, 2003. - 132 pp. : Abb., Tab., 2003
- Ivanov, V.G.: Razdelenie linijj nivelirovanija I klasa otноситel'no meridiana, *Geod. kartogr., Moskva* 79(2003)5. - pp. 17-21, 2003
- Ivanov, V.G.: Razdelenie linijj nivelirovanija I Klasa po shirotnomi priznaku, *Geod. kartogr., Moskva* 79(2003)6. - pp. 11-16, 2003
- Ivanov, V.V.: Interpretacija sputnikovykh izmerenijj variacijj urovnja morja, *Issl. Zemli kosm., Moskva* 24(2003)3. - pp. 85-92, 2003
- Januszewski, Jacek: Comparison of visibility and geometry of GALILEO and GPS satellites constellation, *Rep. geod., Warszawa*, 2002, Nr. 2(62). - pp. 51-61, 2002
- Januszewski, Jacek: Visibility of satellite navigation systems in urban area, *Artif. satell. : j. planet. geod., Warszawa* 38(2003)2. - pp. 55-65, 2003
- Jekeli, C. Dumrongchai, P.: On monitoring a vertical datum with satellite altimetry and water-level gauge data on large lakes, *J. geod., Berlin* Vol. 77, Nr. 7-8 = Oktober 2003. - pp. 447-453, 2003
- Johannessen, J.A. \0C Balmino, G. Le Provost, C. Rummel, R. Sabadini, R. Suenkel, H. Tscherning, C.C. Visser, P. Woodworth, P. Hughes, C.W.: The European Gravity field and steady-state Ocean Circulation Explorer satellite mission : its impact on geophysics, *Surveys geophys., Dordrecht* 24(2003)4. - pp. 339-386, 2003
- Kampmann, Georg Renner, Bernd: Vergleich verschiedener Methoden zur Bestimmung ausgleichender Ebenen und Geraden, *Allg. Vermess.nachr., Heidelberg* 111(2004)2. - pp. 56-67, 2004
- Kenyeres, Ambrus Ihde, Johannes Simek, Jaroslav Marti, Urs Molendijk, Ronald: EUREF action for the densification of the EUVN network, *Mitt. Bundesamtes Kartogr. Geod., Frankfurt am Main*, 2003, Bd. 29. - pp. 147-150, 2003
- Kenyeres, Ambrus Ihde, Johannes Simek, Jaroslav Marti, Urs Molendijk, Ronald: Improvements and extensions of EUREF / Adaptions of ETRS89, *Mitt. Bundesamtes Kartogr. Geod., Frankfurt am Main*, 2003, Bd. 29. - pp. 157-221, 2003
- Kenyeres, Ambrus Ihde, Johannes Simek, Jaroslav Marti, Urs Molendijk, Ronald: National reports, *Mitt. Bundesamtes Kartogr. Geod., Frankfurt am Main*, 2003, Bd. 29. - pp. 223-312, 2003

- Khabarov, V.F.: Opredelenie masshtaba i sblizenija meridianov dlja proekcii Gaussa-Krjugera v funkcijakh koordinat razuykh sistem, Geod. kartogr., Moskva 79(2003)4. - pp. 19-20, 2003
- Kim, Donghyun Langley, Richard B.: On ultrahigh-precision GPS positioning and navigation, Navigation : j. Inst. Navig., Alexandria, Virginia 50(2003)2. - pp. 103-116, 2003
- Kirby, J.F.: On the combination of gravity anomalies and gravity disturbances for geoid determination in Western Australia, J. geod., Berlin Vol. 77, Nr. 7-8 = Oktober 2003. - pp. 433-439, 2003
- Koch, K.R. Papo, H.B.: The Bayesian approach in two-step modeling of deformations, Allg. Vermess.nachr., Heidelberg 110(2003)11-12. - pp. 365-370, 2003
- Koch, Karl-Rudolf Kusche, Juergen Boxhammer, Christian Gundlich, Brigitte: Parallel Gibbs sampling for computing and propagating large covariance matrices, Z. Geod., Geoinf. Landmanag., Augsburg 129(2004)1. - pp. 32-42, 2004
- Koehr, Martin: Inhalt und Konsequenzen des Referenzsystemerlasses des SMI vom 9. September 2003, Mitt.-bl. Dtsch. Vereins Vermess.wes. - Gesellsch. Geod., Geoinf. Landmanag. - Landesverein Sachsen, Dresden 13(2003)2. - pp. 33-42, 2003
- Kohlhase, A.O. Feigl, K.L. Massonnet, D.: Applying differential InSAR to orbital dynamics : a new approach for estimating ERS trajectories, J. geod., Berlin Vol. 77, Nr. 9 = Dezember 2003. - pp. 493-502, 2003
- Koler, Bozo Vardjan, Nusa: Analiza stanja nivelmanskih mrež Republike Slovenije, Geod. vestnik, Ljubljana 47(2003)3. - pp. 251-262, 2003
- Komjathy, Attila Sparks, Lawrence Mannucci, Anthony J. Pi, Xiaoqing: An assessment of the current WAAS ionospheric correction algorithm in the South America region, Navigation : j. Inst. Navig., Alexandria, Virginia 50(2003)3. - pp. 193-204, 2003
- Kostecky, J. Zeman, A. Papao, J. Walo, J.: Space displacements of the points within the frame of individual plates based on the ITRS2000, Rep. geod., Warszawa, 2003, Nr. 1(64). - pp. 57-64, 2003
- Kostecky, J.jr. Kostecky, J.: Analysis of the relative velocities of the EPN : new results after four years, Rep. geod., Warszawa, 2003, Nr. 1(64). - pp. 121-131, 2003
- Kozmus, Klemen Stopar, Bojan: Nacini dolocanja polozaja s satelitskimi tehnikami, Geod. vestnik, Ljubljana 47(2003)4. - pp. 404-413, 2003
- Kratochvilla, Krisztina: Az EOY-alapfelueletek terbeli helyzetenek vizsgalata, Geod. kartogr., Budapest 55(2003)10. - pp. 3-6, 2003
- Krempasky, J.J.: CEP equation exact to the fourth order, Navigation : j. Inst. Navig., Alexandria, Virginia 50(2003)3. - pp. 143-149, 2003
- Krieg, Bettina Matusczyk, Joerg: Die Daten vor Ort : Kombination von Satellitenmesstechnik und mobilen grafische Informationssystem in der Energieversorgung, GeoBIT, Heidelberg 8(2003)10. - pp. 36-37, 2003
- Kruij, Jan de: 06-GPS in Almere, Geodesia : T. geod. geo-inform., Apeldoorn 45(2003)9. - pp. 336-339, 2003
- Kuhlmann, Heiner: Mathematische Modellbildung zu kinematischen Prozessen, Schr.reihe / Dtsch. Verein Vermess.wes., Augsburg, 2004, Bd. 45. - pp. 19-33, 2004
- Kumetaitis, Algirdas Simanskis, Mindaugas Parseliunas, Eimuntas Kumetaitis, Zenonas Pupalaigis, Orlandas: Lietuvos Respublikos plotas geodeziniuose pavirsiuose pagal georeferenciniu duomenu baziu informacija, Geod. kartogr., Vilnius 29(2003)3. - pp. 65-72, 2003
- Kutterer, Hansjoerg Heinkelmann, R. Tesmer, Volker: Robust outlier detection in VLBI data analysis \0C, J. geod., Frankfurt am Main, 2003. - pp. 247-255, 2003
- Kutterer, Hansjoerg: The role of parameter constraints in VLBI data analysis, J. geod., Frankfurt am Main, 2003. - pp. 171-179, 2003
- Lambert, Mathieu Santerre, Rock: Speed check : performance monitoring with RTK GPS, GPS World, Eugene, Oregon 15(2004)2. - pp. 14-16, 18, 20, 22-23, 2004
- Lambrou, Evangelia Pantazis, Georg Balodimos, Dennis D.: Accurate determination of the geoidal undulation, Rep. geod., Warszawa, 2003, Nr. 1(64). - pp. 165-172, 2003
- Laurichesse, D. Gratton, S. Mercier, F. Tournier, T. Berthias, J.P. Issler, J.L. Doliszny, F. Revidon, P.: Use of GNSS-based pseudo-acceleration measurements and orbital constraints to initialize spaceborne receiver orbit solutions, Navigation : j. Inst. Navig., Alexandria, Virginia 50(2003)2. - pp. 95-101, 2003
- Leatherman, Stephen P. Douglas, Bruce C. LaBrecque, John L.: Sea level and coastal erosion require large-scale monitoring, EOS : transactions, Washington 84(2003)2. - pp. 13, 16, 2003
- Lelgemann, Dieter Noak, Martin Fukuda, Yoichi: Transformation des Deutschen Hauptdreiecksnetzes DHDN in das Europaeische Terrestrische Referenzsystem ETRS89, Z. Geod., Geoinf. Landmanag., Augsburg 128(2003)6. - pp. 411-414, 2003
- Lenzmann, Lothar Lenzmann, Enno: Strenge Auswertung des nichtlinearen Gauss-Helmert-Modells, Allg. Vermess.nachr., Heidelberg 111(2004)2. - pp. 68-73 \0C, 2004
- Linow, Norman: Die Leistungsfahigkeit von SAPOS im Liegenschaftskataster : Ein Beispiel in der Region um den Teuplitzer See, Vermess. Brandenburg, Potsdam 8(3003)1. - pp. 30-31, 2003
- Loef, Peter: ascos - ruhrgas positioning services, Vermess. Brandenburg, Potsdam 8(3003)2. - pp. 57-62, 2003
- Maekinen, Jaakko Petroskevicius, Petras: Lietuvoje atliktu absoliutiniu sunkio matavimu analize, Geod. kartogr., Vilnius 29(2003)4. - pp. 99-105, 2003
- Malkin, Z. Terentev, D.: Preliminary analysis of the Free Core Nutation from VLBI data, J. geod., Frankfurt am Main, 2003. - pp. 227-235, 2003
- Manzoni, G. Martinolli, S. Pagurut, R. Palermo, C. Purga, A. Sluga, T.: Road survey by GIGI : status and results, Rep. geod., Warszawa, 2003, Nr. 2(65). - pp. 159-164, 2003
- Martensson, Stig-Goeran: Determinacion de altitudes mediante GPS : Precision con respecto a diferentes modelos del Geoides en Suecia, Topogr. cartogr., Madrid Vol. 20, 2003, Nr. 116. - pp. 32-39, 2003

- Martin Furones, A. Anquela Julian, A.B. Padin Devesa, J.: Correcciones por efecto de marea de observables geodesicos y gravometricos de alta precision, *Topogr. cartogr.*, Madrid Vol. 20, 2003, Nr. 118-119. - pp. 56-64, 2003
- Martusewicz, Janusz: GPS positions obtained from pseudorange equation system, *Rep. geod.*, Warszawa, 2003, Nr. 1(64). - pp. 173-178, 2003
- Mattiseck, Klaus Kuttner, Wolfgang Roetzel, Bernd Lindstrot, Walter: Einsatz von satellitengeodaetischen Verfahren im Vermessungspunktfeld : Die neuen GPS-Richtlinien, *Nachr. Oeffentl. Vermess.dienst Nordrhein-Westfalen*, Bonn 36(2003)1. - pp. 3-29, 2003
- Mayewski, Paul Andrew: Antarctic oversnow traverse-based southern hemisphere climate reconstruction, *EOS : transactions*, Washington 84(2003)22. - pp. 205, 210, 2003
- Mayo, Marielle: Temps reel, nivellement, l'avenir du GPS?, *Geometre*, Paris 147(2004)1. - pp. 14-15, 2004
- Medak, Damir Pribicevic, Bosko: Processing of geodynamic GPS-network with GAMIT software, *Rep. geod.*, Warszawa, 2003, Nr. 1(64). - pp. 75-84, 2003
- Merry, C.L.: DEM-induced errors in developing a quasi-geoid model for Africa, *J. geod.*, Berlin Vol. 77, Nr. 9 = Dezember 2003. - pp. 537-542, 2003
- Milev, G. Mintchev, M. Vassileva, K. Gabenski, Pl. Tashkov, T. Petrov, G.: Osnovi na prilozhenie na EUREF v Bahlgarija, *Geod., kartogr., zemeustrojstvo*, Sofija 43(2003)1-2. - pp. 3-9, 2003
- Milev, Georgi Grigorov, Stojan \0C: Vlijanie na geodinamichite procesi vahrkhu geodezicheskite mrezi, *Geod., kartogr., zemeustrojstvo*, Sofija 43(2003)5-6. - pp. 3-10, 2003
- Miyamachi, Hiroki Toda, Shigeru Matsushima, Takeshi \0C Takada, Masamitsu Takahashi, Yasuhiro Kamiya, Daisuke Watanabe, Atsushi Yamashita, Mikiya Yanagisawa, Morio: A seismic refraction and wide-angle reflection exploration in 2002 on the Mizuho Plateau, East Antarctica : outline of observations (JARE-43), *Antarctic rec.*, Tokio 47(2003)1. - pp. 32-71, 2003
- Moore, P. Turner, J.F. Qiang, Z.: Error analyses of CHAMP data for recovery of the Earth's gravity field, *J. geod.*, Berlin Vol. 77, Nr. 7-8 = Oktober 2003. - pp. 369-380, 2003
- Motoyoshi, Yoichi Katsuta, Yutaka: Reconnaissance surveys for a possible runway at east of Langhovde in 2001 by JARE-42 and 2002 by JARE-43, *Antarctic rec.*, Tokio 47(2003)1. - pp. 23-31, 2003
- Mueller, Juergen (Hrsg.): Berichte zur XXIII. Generalversammlung der IUGG - Internationale Assoziation fuer Geodaesie. 30. Juni - 11. Juli 2003, Sapporo, Japan, *Z. Geod., Geoinf. Landmanag., Augsburg* 129(2004)1. - pp. 1-31 \0C, 2004
- Naden, Gary: Going the distance : power supply management in an asset tracking device, *GPS World*, Eugene, Oregon 14(2003)10. - pp. 28-30, 32-33, 2003
- Negusini, Monia Tomasi, Paolo: Tropospheric parameters from geodetic VLBI data analysis, *J. geod.*, Frankfurt am Main, 2003. - pp. 181-194, 2003
- Nilforoushan, F. Nankali, H. Masson, F. Vernant, P. Vigny, C. Martinod, J. Hatzfeld, D. Abbassi, M. Ashtiani, A. Bayer, R.: GPS network monitors the Arabia-Eurasia collision deformation in Iran, *J. geod.*, Berlin Vol. 77, Nr. 7-8 = Oktober 2003. - pp. 411-422, 2003
- Nothnagel, Axel: VTRF2003: a conventional VLBI terrestrial reference frame, *J. geod.*, Frankfurt am Main, 2003. - pp. 195-205, 2003
- Pachter, Meir Nguyen, Thao Q.: An efficient GPS position determination algorithm, *Navigation : j. Inst. Navig.*, Alexandria, Virginia 50(2003)2. - pp. 131-141, 2003
- Pachuta, Kinga Pachuta, Andrzej: Application of the GPS-RTK method to the determination of the location and influence of river plant communities on water movement and river beds morphology, *Rep. geod.*, Warszawa, 2003, Nr. 1(64). - pp. 273-280, 2003
- Pellegrinelli, Alessandro Perfetti, Nicola Russo, Paolo Tralli, Sergio Paterno di Sessa, Maria: Laser scanner terrestre e GPS nel rilevamento territoriale: uno studio di applicabilita, *Riv. agenzia territ.*, Roma 3(2003)3. - pp. 79-90, 2003
- Pervan, Boris Chan, Fang-Cheng Gebre-Egziabher, Demoz Pullen, Sam Enge, Per \0C Colby, Glenn: Performance analysis of carrier-phase DGPS navigation for shipboard landing of aircraft, *Navigation : j. Inst. Navig.*, Alexandria, Virginia 50(2003)3. - pp. 181-191, 2003
- Petroskevicius, Petras: Orbitinio metodo lygtys, kai palydovo orbita artima parabolai, *Geod. kartogr.*, Vilnius 29(2003)3. - pp. 73-77, 2003
- Petrovic, Svetozar: Parameterschaetzung fuer unvollstaendige funktionale Modelle \0C in der Geodaesie, *Dtsch. Geod. Komm.*, R. C, Muenchen, 2003, Nr. 563. - 61 pp. : Abb., Tab., Lit., 2003
- Peyret, Francois Betaille, David Garcia, Gaetan Carrel, Aubert: 2004 GPS receiver survey, *GPS World*, Eugene, Oregon 15(2004)1. - pp. 32-53, 2004
- Peyret, Francois Betaille, David Garcia, Gaetan Carrel, Aubert: Precision on the roll : DGPS solutions for heavy machinery, *GPS World*, Eugene, Oregon 15(2004)1. - pp. 20-22, 24, 26-29, 2004
- Piemonte, A. Anapoli, K.: GNSS monitoring of air pollution due to thin powder : experimental results, *Rep. geod.*, Warszawa, 2003, Nr. 2(65). - pp. 89-93, 2003
- Planovsky, I. Hefty, J.: GPS antenna phase centre position : precision, accuracy, and time variability, *Rep. geod.*, Warszawa, 2002, Nr. 2(62). - pp. 7-15, 2002
- Polyakov, Igor Walsh, David Dmitrenko, Igor Colony, Roger Hutchings, Jennifer Timokhov, Leonid Johnson, Mark Carmack, Eddy: A long-term circulation and water mass monitoring program of the Arctic Ocean, *EOS : transactions*, Washington 84(2003)30. - pp. 281, 284-285, 2003
- Popielarczyk, Dariusz Oszczak, Stanislaw: Time correlation of GPS horizontal position and depth data in inland bathymetric survey, *Rep. geod.*, Warszawa, 2003, Nr. 2(65). - pp. 95-98, 2003
- Porcas, Richard W. Rioja, M.J.: Phase-reference astrometry investigations using 86 GHz VLBI, *J. geod.*, Frankfurt am Main, 2003. - pp. 121-128, 2003
- Porcas, Richard: Effelsberg station report : May 2003, *J. geod.*, Frankfurt am Main, 2003. - pp. 39, 2003

- Portales, Cristina Lerma, Jose Luis: Georreferenciación GPS/INS de imágenes aéreas adquiridas con escáneres rotacionales : ejemplo práctico y resultados, *Topogr. cartogr.*, Madrid Vol. 20, 2003, Nr. 116. - pp. 4-6, 8-9, 2003
- Read, Roger E.: 20 Years of CPNS/CCNS operations, *Photogramm. Fernerkund. Geoinf.*, Stuttgart 7(2003)4. - pp. 327-332, 2003
- Reich, Andreas Thomaschky, Timo: Ein 30jähriger Hindernislauf: GPS, *Vermess. Brandenburg*, Potsdam 8(3003)2. - pp. 52-56, 2003
- Rodemerck, Gunter: Die Nutzung von SAPOS bei Liegenschaftsvermessungen in Brandenburg, *Vermess. Brandenburg*, Potsdam 8(3003)1. - pp. 26-30, 2003
- Rottmann, Izabela Mueskens, Arno Hoefner, A. Bertarini, Alessandra \0C: Geodetic experiments at the Bonn correlator, *J. geod.*, Frankfurt am Main, 2003. - pp. 19-22, 2003
- Rounds, Steve: Jamming protection of GPS receivers. Part I: Receiver enhancements, *GPS World*, Eugene, Oregon 15(2004)1. - pp. 54-59, 2004
- Rounds, Steve: Jamming protection of GPS receivers. Part II: Antenna enhancements, *GPS World*, Eugene, Oregon 15(2004)2. - pp. 38-40, 42-45, 2004
- Roy, Alan Teuber, U. Keller, R.: Tropospheric delay measurements at Effelsberg with water-vapour radiometry, *J. geod.*, Frankfurt am Main, 2003. - pp. 53-59, 2003
- Rutkowska, M.: Satellite WESTPAC : influence of the gravity field on the \0C accuracy of orbit estimation, *Artif. satell. : j. planet. geod.*, Warszawa 38(2003)3. - pp. 97-104, 2003
- Sacher, Martina Ihde, Johannes Marti, Urs \0C Schlatter, Andreas: Status report of the UELN/EVS data base, *Mitt. Bundesamtes Kartogr. Geod.*, Frankfurt am Main, 2003, Bd. 29. - pp. 140-146, 2003
- Sarti, Pierguido Vittuari, Luca: Geodetic surveys applied to active fault monitoring in Ny \0C Aalesund (Svalbard Islands) : first campaign of measurement, *Rep. geod.*, Warszawa, 2003, Nr. 2(65). - pp. 73-79, 2003
- Saul'skij, V.K.: Metod raschota orbital'nykh gruppirovok sputnikovykh sistem dlja nepreryvnogo obzora Zemli, *Issl. Zemli kosm.*, Moskva 24(2003)4. - pp. 63-68, 2003
- Schlueter, Wolfgang Kilger, R. Kronschnabl, G. Schwarz, W. Zernecke, R.: Activities around the Radiotelescope Wettzell (RTW), *J. geod.*, Frankfurt am Main, 2003. - pp. 41-44, 2003
- Schlueter, Wolfgang Schwarz, W. Ploetz, C. \0C Wojdziak, R.: Planned improvements at German Antarctic Receiving Station (GARS) O'Higgins, *J. geod.*, Frankfurt am Main, 2003. - pp. 45-49, 2003
- Schlueter, Wolfgang Vandenberg, N.R.: International VLBI Service for Geodesy and Astrometry (IVS) : status and perspectives, *J. geod.*, Frankfurt am Main, 2003. - pp. 3-13, 2003
- Schmid, R. Rothacher, M.: Estimation of elevation-dependent satellite antenna phase center variations of GPS satellites, *J. geod.*, Berlin Vol. 77, Nr. 7-8 = Oktober 2003. - pp. 440-446, 2003
- Schneider, D. Vogel, B. Wiget, A. Brockmann, E. Schlatter, A. Marti, U. Wild, U.: Landesvermessung einst und heute, *Geomatik Schweiz*, Scherz 101(2003)12. - pp. 669-674, 2003
- Schoen, Steffen: Analyse und Optimierung geodätischer Messanordnungen unter besonderer Berücksichtigung des Intervallansatzes, *Dtsch. Geod. Komm.*, R. C. Muenchen, 2003, Nr. 567. - 140 pp. : Abb., Tab., Lit., 2003
- Schuh, Harald Boehm, Johannes Hobiger, Thomas: VLBIIONOS - Probing the Ionosphere by Means of Very Long Baseline Interferometry, *Oesterr. Z. Vermess. Geoinf.*, Wien 91(2003)1. - pp. 29-37, 2003
- Schuh, Harald Boehm, Johannes Tesmer, Volker Schmitz-Huebsch, Harald: Determination of tropospheric parameters by VLBI as a contribution to climatologic studies, *Oesterr. Z. Vermess. Geoinf.*, Wien 91(2003)1. - pp. 21-28, 2003
- Schuh, Harald Boehm, Johannes: Determination of tropospheric parameters within the new IVS Pilot Project, *J. geod.*, Frankfurt am Main, 2003. - pp. 257-264, 2003
- Schuh, Harald Boehm, Johannes: IVS Pilot Project - Tropospheric Parameters, *Oesterr. Z. Vermess. Geoinf.*, Wien 91(2003)1. - pp. 14-20, 2003
- Schultz, Wolfgang: Untersuchungen zur Anwendung von SAPOS-HEPS im Liegenschaftskataster, *Vermess. Brandenburg*, Potsdam 8(3003)1. - pp. 19-26, 2003
- Schwegmann, Wolfgang (Hrsg.) Thorandt, Volkmar (Hrsg.) Bundesamt fuer Kartographie und Geodäsie (Hrsg.): 16th working meeting on European VLBI for geodesy and astrometry: Leipzig, May 9-10, 2003 : proceedings, *J. geod.*, Frankfurt am Main, 2003. - 304 pp. : zahlr. Abb., Tab., z.T. farb., 2003
- Scott-Young, Stephen: Seeing the road ahead : GPS-augmented reality aids drivers, *GPS World*, Eugene, Oregon 14(2003)11. - pp. 22-24, 26-28, 2003
- Shevchenko, Vladimir: The influence of aerosols on the oceanic sedimentation and environmental conditions in the Arctic, *Ber. Polar- Meeresforsch.*, Bremerhaven, 2003, Nr. 464. - 149 pp. : Abb., Tab., Lit., 2003
- Shortis, M.R. Leahy, F.J. Ogleby, C.L. Kealy, A. Ellis, F.G.: Web-based learning of spatial design and analysis concept using simulations and visual feedback, *Survey rev.*, London, Vol. 37, 2004, No. 291. - pp. 344-359, 2004
- Sierk, Bernd: Solar spectrometry for determination of tropospheric water vapor, *Geod.-geophys. Arb. Schweiz*, Zuerich, 2001, Vol. 62. - 212 pp. : Abb., Tab., Lit., 2001
- Simon, Dietrich: Modelling of the gravimetric effects induced by vertical air mass shifts, *Mitt. Bundesamtes Kartogr. Geod.*, Frankfurt am Main, 2003, Bd. 21. - 100 pp. : 47 Abb., 37 Tab., Lit., 32 pp. Anl. \0C, 2003
- Sjoeberg, L.E.: A computational scheme to model the geoid by the modified Stokes formula without gravity reductions, *J. geod.*, Berlin Vol. 77, Nr. 7-8 = Oktober 2003. - pp. 423-432, 2003
- Sjoeberg, L.E.: A general model for modifying Stokes' formula and its least-squares solution, *J. geod.*, Berlin Vol. 77, Nr. 7-8 = Oktober 2003. - pp. 459-464, 2003
- Skeivalas, Jonas: GPS stygu koordinacių priėaugiu nustatymo tikslumas matuojant neslio dvigubu fazių skirtumus, *Geod. kartogr.*, Vilnius 29(2003)4. - pp. 115-118, 2003
- Skeivalas, Jonas: Pseudoatstumu ir neslio fazių tiesinio modelio jonosferos itakai eliminuoti sudarymas, *Geod. kartogr.*, Vilnius 29(2003)3. - pp. 61-64, 2003

- Sledzinski, Janusz (Hrsg.): Proceedings of the EGS-AGU-EUG G17 Symposim 'Geodetic and Geodynamic Programmes of the CEI (Central European Initiative)', Nice, France, 6-11 April 2003, Rep. geod., Warszawa, 2003, Nr. 1(64). - 301 pp. : Abb., Tab., Lit., 2003
- Sledzinski, Janusz Rosenthal, Gerd: EUPOS satellite multifunctional system of reference stations in Central and Eastern Europe, Rep. geod., Warszawa, 2003, Nr. 1(64). - pp. 241-246, 2003
- Sledzinski, Janusz: A new European initiative 'EUPOS network of satellite V0C multifunctional reference stations in Central and Eastern Europe', Rep. geod., Warszawa, 2003, Nr. 2(65). - pp. 39-43, 2003
- Soehne, Wolfgang Weber, Georg: EPN Special Project 'Troposphere Parameter Estimation' : Status report, Mitt. Bundesamtes Kartogr. Geod., Frankfurt am Main, 2003, Bd. 29. - pp. 85-90, 2003
- Soehne, Wolfgang Weber, Georg: European Vertical Reference System (EVRS), Mitt. Bundesamtes Kartogr. Geod., Frankfurt am Main, 2003, Bd. 29. - pp. 139-156, 2003
- Solaric, Miljenko: Usporedba između trigonometrijskog i GPS-geoidnog nacina prijenosa visina (Drvenik - Sucuraj), Geod. list, Zagreb 57(2003)4. - pp. 263-277, 2003
- Spivak, L.F. V0C Arkhipkin, O.P. Shagarova, L.V. Batyrbaeva, M.J.: K voprosu o kosmicheskom monitoringe pozharov v Kazakhstane, Issl. Zemli kosm., Moskva 24(2003)3. - pp. 93-94, 2003
- Stangl, G.: Deficits of CEGRN solutions and time series, Rep. geod., Warszawa, 2003, Nr. 1(64). - pp. 29-32, 2003
- Stankov, S.M. Warnant, R. Jodogne, J.C.: Real-time reconstruction of the vertical electron density distribution from GPS TEC measurements, Acta geod. geophys. Hung., Budapest 38(2003)4. - pp. 377-388, 2003
- Steinforth, Christoph Haas, Ruediger Lidberg, M. Nothnagel, Axel: Stability of space geodetic reference points at Ny-Aalesund and their excentricity vectors, J. geod., Frankfurt am Main, 2003. - pp. 83-89, 2003
- Stergiou, Paul Kolokitis, David: Keeping the lights on : GPS and power grid intermesh, GPS World, Eugene, Oregon 14(2003)11. - pp. 16-18, 20, 2003
- Stojinov, V.: Ponjatiето figura na zemjata, Geod., kartogr., zemeustrojstvo, Sofija 43(2003)3-4. - pp. 3-11, 2003
- Styles, Jonathan Costa, Nina Jenkins, Bryan: In the driver's seat : location-based services power GPS/Galileo market growth, GPS World, Eugene, Oregon 14(2003)10. - pp. 34-40, 2003
- Sun, W.: Asymptotic theory for calculating deformations caused by dislocations buried in a spherical earth: geoid change, J. geod., Berlin Vol. 77, Nr. 7-8 = Oktober 2003. - pp. 381-387, 2003
- Szpunar, Ryszard Walo, Janusz Olszak, Tomasz Pachuta, Andrzej: Monitoring of the water reservoir of the water-power-plant 'Zarnowiec' : Applying RTK-GPS measurements - preliminary results, Rep. geod., Warszawa, 2003, Nr. 1(64). - pp. 207-212, 2003
- Tang, Liang Li, Yingcheng Li, Xueyou Zhao, Jicheng Gong, Xunping: First experiences with CCNS/AEROcontrol in China, Photogramm. Fernerkund. Geoinf., Stuttgart 7(2003)4. - pp. 333-342, 2003
- Telaar, Frank: Untersuchungen zur Echtzeitpositionierung im Ruhrgas Positioning Service ascos, Vermessungsingenieur, Wiesbaden 55(2004)1. - pp. 8-15, 2004
- Tesmer, Volker: Refinement of the stochastic VLBI model : first results, J. geod., Frankfurt am Main, 2003. - pp. 207-218, 2003
- Teunissen, P.J.G.: A carrier phase ambiguity estimator with easy-to-evaluate fail-rate, Artif. satell. : j. planet. geod., Warszawa 38(2003)3. - pp. 89-96, 2003
- Teunissen, P.J.G.: Integer aperture GNSS ambiguity resolution, Artif. satell. : j. planet. geod., Warszawa 38(2003)3. - pp. 79-88, 2003
- Teunissen, P.J.G.: Theory of integer equivariant estimation with application to GNSS, J. geod., Berlin Vol. 77, Nr. 7-8 = Oktober 2003. - pp. 402-410, 2003
- Thorandt, Volkmar Engelhardt, Gerald: Residual Plotting and Ambiguity Resolution (REPA), J. geod., Frankfurt am Main, 2003. - pp. 67-72, 2003
- Thornberg, C. Bryce Thornberg, Dean S. Dibenedetto, Michael F. Braasch, Michael S. Graas, Frank van Bartone, Chris: LAAS integrated multipath-limiting antenna, Navigation : j. Inst. Navig., Alexandria, Virginia 50(2003)2. - pp. 117-130, 2003
- Timar, Gabor Kubany, Csongor Molnar, Gabor: A magyarorszagi Gauss-Krueger-vetueletue katonai topografiai terkepek datumparameteri, Geod. kartogr., Budapest 55(2003)7. - pp. 18-22, 2003
- Timar, Gabor Molnar, Gabor Marta, Gergely: A budapesti sztereografikus, illetve a regi magyarorszagi hengervetueletek es geodeziai datumaik parameterezese a terinformatikai gyakorlat szamara, Geod. kartogr., Budapest 55(2003)3. - pp. 16-21, 2003
- Tomasi, Paolo Sarti, P. Vittuari, L. Negusini, Monia Sillard, P.: 2002 local geodetic survey of VLBI and GPS reference points and eccentricity at Medicina (Italy), J. geod., Frankfurt am Main, 2003. - pp. 91-97, 2003
- Ustavich, G.A. Shaul'skij, V.F. Vinokurova, O.I.: Razrabotka i sovershenstvovanie tekhnologii gosudarstvennogo nivelirovanija I, II, III i IV klassov, Geod. kartogr., Moskva 79(2003)7. - pp. 10-15, 2003
- Valant, Johannes Abwerzger, Guenther Hofmann-Wellenhof, Bernhard Legat, Klaus: Integration of GNSS and Lorán-C, Oesterr. Z. Vermess. Geoinf., Wien 91(2003)1. - pp. 54-60, 2003
- Valdecantos, Javier Raimundo: Estimacion del Contenido Total de Electrones Ionosferico (TEC) mediante observaciones GPS bifrecuencia en el Suroeste de Europa, Topogr. cartogr., Madrid Vol. 20, 2003, Nr. 118-119. - pp. 96-100, 2003
- Vaporali, A. Dalla Torre, A. Praticelli, N.: Interferometric attitude and direction sensor using GPS carrier phase data, Rep. geod., Warszawa, 2003, Nr. 2(65). - pp. 173-193, 2003
- Varotsos, C. Kondratiev, K.Ja.: The unusual split in the Antarctic ozone hole in September 2002, Issl. Zemli kosm., Moskva 24(2003)1. - pp. 94-95, 2003

- Vassena, Giorgio Cantoni, Roberto Gelmini, Massimo Lanzi, Carlo Stefani, Giuseppe: Rappresentazione tridimensionale del territorio e realizzazione di un GIS in ambiente montano con particolare riguardo alla gestione e relivamento delle architetture tecnologia laser scanning, Riv. agenzia territ., Roma 3(2003)3. - pp. 133-152, 2003
- Vennebusch, Markus: Investigations on European baseline rates, J. geod., Frankfurt am Main, 2003. - pp. 219-226, 2003
- Vespe, F. Rutigliano, P. Pacione, R.: The treatment of time series data of GPS permanent stations for extracting geodetic signals, Rep. geod., Warszawa, 2003, Nr. 2(65). - pp. 53-63, 2003
- Vinnins, Michael Lachapelle, Gerard Cannon, Elizabeth Dosso, Stan Heard, Garry Lang, Janice: High latitude attitude : military testing in the Arctic, GPS World, Eugene, Oregon 14(2003)10. - pp. 16-18, 20, 22, 24, 26-27 \0C, 2003
- Vittorini, Larry D. Robinson, Brent: Directions 2004 : GNSS interoperability - future or fantasy? \0C, GPS World, Eugene, Oregon 14(2003)12. - pp. 12-33, 2003
- Vittorini, Larry D. Robinson, Brent: Optimizing indoor GPS performance : receiver frequency standards, GPS World, Eugene, Oregon 14(2003)11. - pp. 40-42, 44, 46-48, 2003
- Vodopivec, F. Culjak, H.: Geoid of the Istria, Rep. geod. \0C, Warszawa, 2003, Nr. 1(64). - pp. 233-239, 2003
- Vodopivec, F. Kogoj, D. Placer, L.: Geodynamics of Slovenian karst and Istria, Rep. geod., Warszawa, 2003, Nr. 1(64). - pp. 219-223, 2003
- Vyskocil, Pavel Sledzinski, Janusz: Horizontal deformations at a part of the Central Europe, Rep. geod., Warszawa, 2003, Nr. 1(64). - pp. 111-119 \0C, 2003
- Vyskocil, Pavel: The recent geodynamics within the Bohemian Massif and its connection to the Alps and Carpathians, Rep. geod., Warszawa, 2002, Nr. 2(62). - pp. 17-27, 2002
- Waegli, Adrian Gillieron, Pierre-Yves: Le Concept d'integrirre d'EGNOS, Geomatik Schweiz, Scherz 101(2003)11. - pp. 616-621, 2003
- Wagner, Bernd Klug, Martin Hultsch, Nadja: The expeditions Amery Oasis, East Antarctica, in 2001/2002 and Taylor Valley, Southern Victoria Land, in 2002, Ber. Polar- Meeresforsch., Bremerhaven, 2003, Nr. 460. - 69 pp. : Abb., Tab., Lit., 2003
- Walo, Janusz Pachuta, Andrzej Szpunar, Ryszard Olszak, Tomasz: Movements of the control-points after filling the artificial water reservoir in Pieniny Mts., Rep. geod., Warszawa, 2003, Nr. 1(64). - pp. 103-109, 2003
- Wang, Renqian: The improvement of GPS ambiguity resolution by prior geometry information, Geotech. invest. survey., Peking (2003)6 = Nr. 185. - pp. 43-46, 2003
- Wanninger, Lambert: Permanente GPS-Stationen als Referenz fuer praezise kinematische Positionierung, Photogramm. Fernerkund. Geoinf., Stuttgart 7(2003)4. - pp. 343-348, 2003
- Wanninger, Lambert: Praezise kinematische Positionierung mit GPS, Schr.reihe / Dtsch. Verein Vermess.wes., Augsburg, 2004, Bd. 45. - pp. 61-73, 2004
- Warsaw University of Technology (Hrsg.) Institut of Geodesy and Geodetic Astronomy (Hrsg.) Sledzinski, Janusz (Red.): Proceedings of the 7th Bilateral Geodetic Meeting Italy-Poland: Bressanone, South Tirol, Italy, 22-24 May 2003, Rep. geod., Warszawa, 2003, Nr. 2(65). - 296 pp. : Abb., Tab., Lit., 2003
- Wasle, Elmar Ringert, Josef: Means of navigation for automatic level crossing control and the concept of the ECORAIL project, Oesterr. Z. Vermess. Geoinf., Wien 91(2003)1. - pp. 61-67, 2003
- Watanabe, Atsushi Ishizaki, Norio Yanagisawa, Morio Miyamachi, Hiroki: Ice drilling for blasting boreholes in deep seismic surveys (JARE-43) by steam type drilling system, Antarctic rec., Tokio 47(2003)1. - pp. 72-81, 2003
- Whitney, Alan: Mark 5 VLBI data system update, J. geod., Frankfurt am Main, 2003. - pp. 73-80, 2003
- Wozniak, Marek Proszynski, Witold Walo, Janusz Wojciechowski, Jerzy Jastrzebski, Slawomir Pachuta, Andrzej: Summing-up the experience from research into long-term displacements of hydrotechnical objects with regard to their short-term deformations, Rep. geod., Warszawa, 2003, Nr. 1(64). - pp. 197-199, 2003
- Xiao, B. Zhang, K.: Handheld GPS and mobile mapping, Cartography, Canberra 31(2002)1. - pp. 99-108, 2002
- Xu, Xi: Pilot study of GPS height transfer across obstacle, Geotech. invest. survey., Peking (2003)6 = Nr. 185. - pp. 40-42, 49, 2003
- Yan, Shuqiang: The method of separating systematic error from deformation evidence in GPS monitoring network, Geotech. invest. survey., Peking (2003)5 = Nr. 184. - pp. 46-48, 2003
- Yanalak, Mustafa: Sibson (natural neighbour) and non-Sibsonian interpolation for digital elevation model (DEM), Survey rev., London, Vol. 37, 2004, No. 291. - pp. 360-376, 2004
- Young, Ryan S.Y. McGraw, Gary: Fault detection and exclusion using normalized solution separation and residual monitoring methods, Navigation : j. Inst. Navig., Alexandria, Virginia 50(2003)3. - pp. 151-169, 2003
- Yu, Xuexiang: Accuracy requirement of similar single-difference method to initial data, Geotech. invest. survey., Peking (2003)5 = Nr. 184. - pp. 43-45, 48, 2003
- Zheng, Zuoya Huang, Cheng Lu, Xiushan Zhang, Feipeng: GPS nonlinearly precision estimator and application, Allg. Vermess.nachr., Heidelberg 110(2003)11-12. - pp. 380-383, 2003