

Symposia and Meetings

EARSeL Symposium and Workshop

Symposium: Observing our Environment from Space : New Solutions for a New Millennium, 14 to 17 May 2001

Workshop: Forest Fires Monitoring and Management, 18-19 May 2001

Hosted by: Société Française de Photogrammétrie et de Télédétection (SFPT) l'Institut Géographique National (IGN) and l'Ecole National des Sciences Géographiques (ENSG).

The Symposium

Papers are welcome related to the general theme of the symposium and we encourage presentations on:

- International environmental programmes
- Land applications; global and local environmental monitoring
- Water (marine waters, inland waters and coastal zones)
- Sea ice
- Land ice and snow
- Atmosphere and global change
- Hydrology
- Operational use of remotely sensed data
- Renewable resources
- Data calibration , pre-processing and validation
- Sensors under development

The Workshop

The symposium will be followed by a workshop on 18/19 May: Forest Fires Monitoring and Management
The SIG group on Forest Fires will organise the Third International workshop on Remote.
Details concerning the scientific content may be obtained from the SIG convenor.

Call for Papers for Symposium and Workshop

Papers will be presented orally and by poster. Authors who prefer a poster presentation should notify the organisers. An abstract of approximately 500 words (one A4 page) should be forwarded by 1 November 2000 to:

EARSeL Secretariat
Attn: Mrs. M. Godefroy
2 avenue Rapp
F-75340 Paris Cedex 07
FRANCE
Tel: +33-1-45 56 73 60
Fax: +33-1-45 56 73 61
E-mail: earsel@meteo.fr
<http://www.earsel.org>

Time Table

Abstracts received	1 November 2000
Authors notified and instructions	15 December 2000
Preliminary programme	end February 2001
Deadline for full papers	at conference

Digital Earth Moving 2001 (DEM2001)

1st International Symposium

Manno (Lugano), Switzerland, 5-7 September 2001

FIRST CALL FOR SUBMISSIONS

Overview

Changing the geometry of the earth's surface is a universally specified need across disciplines and throughout history. The technological era has seen rapid emergence of digital tools for performing grading tasks virtually. All approaches weigh the concerns:

- Geometric manipulation - editing 3D geometric surfaces,
- Visualisation - seeing a 3D image or model, and
- Accuracy - correct and reliable quantitatively correct information.

The Symposium seeks to gather key representatives from commercial, academic, public and private sectors who are driving the use and development of these new capabilities. The latest commercial software, hardware, research innovations, and user requirements will be prime topics featured and open for discussion and scholarly debate.

Important dates

31 January 2001
- Full papers, posters, and product applications due.

5-7 September 2001
- Symposium Dates (Demos and Workshop).

Sponsoring organisations

- The CIM Institute for Applied Computer Science and Industrial Technology (CIMSI) at the University for Applied Science of Southern Switzerland (SUPSI).
- Swiss Computer Graphics Association (SCGA).
- Inter-University Partnership for Earth Observation and Geoinformatics (IPEG).
- Geographic Information Systems Division, Department of Geography, University of Zürich (GIUZ).
- University of Applied Sciences Rapperswil (HSR)

Keynote speakers

(1) "Designed Landforms"
Dr. Stephen M. Ervin
Director of Computer Resources
Assistant Dean for Information Technology
Lecturer in Landscape Architecture
Harvard Design School (aka GSD)

Harvard University, Cambridge, Massachusetts, USA
(2) "Zürich Airport Extension Project: Digital Support for Earthwork Construction"
Mr. Albert Brunner
Project Director
Zürich Airport Extension Project
(Zürich Flughafen Aufbau)
Unique Airport, Inc. (Flughafen Zürich AG)
Zürich International Airport, Switzerland

Contact information & venue

DEM2001
ICIMSI-SUPSI
Galleria 2
6928 Manno
Switzerland
Telephone: 41 91 610 8980
Fax: 41 91 610 8970
E-mail: dem2001@cimsi.cim.ch
WWW: <http://www.cimsi.cim.ch/dem2001>
Contact Person: Caroline Westort (cwestort@cimsi.cim.ch)

International Cartographic Association (ICA) Commission on Map Generalisation
Call for Participation

Fourth Workshop on Progress in Automated Map Generalisation
Hong Kong, 2-4 August 2001

Following the success of the preceding workshops held in Barcelona (1995), Gävle (1997) and Ottawa (1999), the ICA Commission on Map Generalisation (CMG), in collaboration with other sponsors, is organising its fourth workshop immediately preceding the 20th International Cartographic Conference in Beijing 2001 (ICC 2001). Much like its predecessors, the workshop is intended to be a focused progress seminar for specialists in map generalisation including, but not restricted to, the affiliates of the CMG.

Dates and venue

The workshop will be held shoulder to shoulder with the 20th International Cartographic Conference in Beijing. During three successive days -- on 2-4 August 2001 -- we will be meeting at Hong Kong Polytechnic University, Department of Land Surveying and Geoinformatics. State of the art computing and audiovisual equipment will be available to support presentations and software demonstrations.

Link to ICC 2001

This workshop functions as a pre-conference event to the 20th International Cartographic Conference 2001 (ICC 2001) in Beijing, to be held on 6-10 August 2000. The one-day gap between the two events should allow those wishing to participate in the ICC to travel to Beijing.

Note that abstracts for the ICC 2001 are due by 31 October 2000. Further information on the ICC 2001 can be found at <<http://www.sbsm.gov.cn/icc2001/>>.

Cost

Workshop participation is free of charge.

Inquiries and paper submissions

Robert Weibel, Department of Geography, University of Zurich, Winterthurerstrasse 190, CH-8057 Zurich (Switzerland)
E-mail: weibel@geo.unizh.ch

Deadlines and dates

31 January 2001	Deadline for submission of working papers
28 February 2001	Notification of acceptance; preliminary workshop programme; additional workshop information
31 May 2001	Revised working papers due; uploaded to Commission web site
2-4 August 2001	Fourth Workshop on Progress in Automated Map Generalisation, Hong Kong
6-10 August 2001	20th International Cartographic Conference, Beijing

Report on the MARISY 2000 Symposium

Rabat, Morocco, October 26-27, 2000

By Gérard Begni and Costas Armenakis

The MARISY 2000 (Middle East and Africa International Remote Sensing Symposium 2000) was held in Rabat, Morocco between 26-27 October 2000. The theme of the symposium was "The new Era of Earth Observation and Geo-Information". The Symposium was organised by the Centre Royal de Télédétection Spatiale (CRTS) -the Moroccan Remote Sensing Agency. It consisted of invited presentations, poster session and exhibition. It attracted about 270 participants coming mainly from the region and from Europe.

The topics covered in the sessions and round table discussions were: the visions of the space agencies and the role of the Earth observation industry, very-high resolution images and geo-information development, UNISPACE III recommendations for Africa and Middle East region and co-operative actions, geo-information for sustainable land management, education and training, regional programs for environment protection and risk management, and space in the service of humanitarian operations. The posters presented regional applications.

ISPRS was sponsoring the event and participated with Gérard Begni, Second Vice-President, and Costas Armenakis, President of Commission IV.

Gérard Begni participated in the roundtable "Education and training", and encouraged participants to visit Commission's VI web-site and use the Directory about Training and

Education opportunities in GIS and RS. He also co-chaired the session on "Regional programs for environmental protection and risks management". Under the MEDIAS-FRANCE "hat", he made a presentation on the Kyoto protocol and its potential impacts on sustainable development and was involved in a roundtable on "UNISPACE III recommendations in African and Middle East region".

Costas Armenakis made a presentation on "Monitoring landscape changes using imagery and existing spatial databases" in the Session "Geo-information for sustainable land management".

Some of the regional issues brought up by the audience were:

- 1) The audience felt that the price of remotely sensed data (imagery) is too high for the region.
- 2) Technology transfer and technology sustainability are critical factors
- 3) Training is in much need
- 4) There is a need for pilot projects.

Some of these conclusions are well in line with recommendations adopted by the ISPRS General Assembly in Amsterdam this year.

MARISY-2000 was a major and successful initiative for the African and Middle-East countries. Congratulations to CRTS for organising the event and many thanks to the Moroccan people for their worldwide known hospitality.

From Imagery to Geodata

This event is scheduled for Thursday, 26 April 2001

ASPRS Conference, St. Louis, MO, USA

Convenor:

Dr. Raad A. Saleh, University of Wisconsin-Madison

Organised in collaboration with:

ISPRS Commission-I: Sensors, Platforms, and Imagery* and ISPRS Inter-Commission (IC)II/IV: Automated Geo-Spatial Data Production and Updating from Imagery*

10.00 - 11:30 Session I: Digital Image Acquisition

Chair: Stanley Morain, University Of New Mexico, USA

Speaker 1: **Overview of High Resolution Satellite Imagery**

Gottfried Konecny, University of Hanover, Germany

Speaker 2: **Review of QuickBird-1/2 and OrbView-3/4 Products from MacDonald Dettwiler Processing Systems**

David Hargreaves and Brian Robertson, MacDonald Dettwiler and Associates, Canada

Speaker 3: **Prospects and Challenges in Imaging and Alternative Sensing Systems for Surface Generation**

Raad A. Saleh, University of Wisconsin-Madison, USA

Rollei

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Phone +49 5 31 / 6 80 02 22
Fax + 49 5 31 / 6 80 03 03
e-mail: info@rolleimetric.de
Internet: <http://www.rolleimetric.de>

RolleiMetric photogrammetry systems

12:30 - 2:00 **Session II: Sensor Calibration and Orientation**

Chair: Michael S. Renslow, Spencer B. Gross, Inc., USA

Speaker 1: **Overview of System Calibration**
Karsten Jacobsen, University of Hanover, Germany

Speaker 2: **Triangulation for the LH Systems' ADS40 Using ORIMA**
Ludger Hinsken, Bruce A. Chaplin, Robert Uebbing, A. Stewart Walker, LH Systems, LLC, USA

Speaker 3: **Overview of Airborne Sensor Orientation by INS/GPS**
Qassim A. Abdullah, EarthData International of Maryland, LLC, USA

2:30 - 4:00 **Session III: DTM Generation from Images and Alternative Sources**

Chair: Karsten Jacobsen, University of Hanover, Germany

Speaker 1: **LIDAR for DTM Generation - Operational Considerations**
Wolfgang Schickler, Analytical Surveys, Inc., USA

Speaker 2: **High Resolution Terrain Information (HRTI) Test Range**
Michale A. O. Brian, NIMA, USA

Speaker 3: **Error Models for Parallel Pass and Cross Mode Stereo SAR DEM Production**
Carolyn Johnson, Vexcel, USA

4:00 - 5:30 **Session IV: Developments in Geospatial Data Production**

Chair: Christian Heipke, University of Hanover, Germany

Speaker 1: **State of the Art in Softcopy Photogrammetric Systems**
Raad A. Saleh, University of Wisconsin-Madison, USA

Speaker 2: **System Development for Semi-Automatic Quality Control of Roads in a Geo-Database.**

Felicitas Lang, University of Hanover, Germany
Speaker 3: **Detection of Leafy Spurge Infestations via Imaging Spectroscopy using the Compact Airborne Spectrographic Imager (CASI)**

Ralph Root, Karl Brown, USGS Center for Biological Informatics
Gerry Anderson, USDA Agricultural Research Service, Ray Kokaly, USGS Spectroscopy Laboratory, Steve Hager, National Park Service, Theodore Roosevelt National Park, USA

Review



Intergeo 2000 Berlin

The International Geomatics Event

By Floris Siteur, Publication Director of GITC bv

The Intergeo of this year took place in Berlin, Germany, from 11th to 13th October. The fair had as its theme 'Spatial Information for the 21st Century'. Compared to last year's Intergeo in Hanover the event has grown substantially. The number of exhibitors increased by 46 per cent, to 368 stands from nine countries. The exhibition floor took up 16,000 square metres (8,000 nett). Over 15,000 visitors attended the exhibition and congress. All these factors contributed to making the fair an outstanding success. Trends and new products we observed were system integration and, for instance, an overwhelming number of 'value-added' resellers. The international image of the Intergeo was also noteworthy.

For the first time the Intergeo was organised in co-operation with the German organisations for geodesy (DVW), photogrammetry (DGPF) and cartography (DGFK). This combination proved a resounding success for a Geomatics event. As our editor Jan Loedeman stated in his November editorial 'Geomatics = Surveying & Geodesy + Photogrammetry & Remote Sensing + Mapping & Cartography + GIS & ICT'. All these components were present at the Intergeo in Berlin.

International

The 'inter' in the name Intergeo has two meanings: Interdisciplinary and International. The various disciplines making up the odd equation above overlap to an increasing extent and their technologies merge. This trend towards interdisciplinarity is a result of ICT and especially of the Internet. The Intergeo develops into an international event as more and more companies in the geomatics business enter international and global markets. In order to serve internationally-orientated companies and



attendees the event should become a bi-lingual one: German-English.

System Integration

A lot of manufacturers nowadays offer complete surveying systems, mainly consisting of GPS in combination with a laser, a flux compass, but also specific sensors tuned to specific applications. These may be miniaturised and handheld or in a backpack, as well as mounted on vehicles such as a quad or a surfboard catamaran. An emerging brand of integrated surveying systems are based on laser scanning, both terrestrial and airborne. Key to these trends are mainstream developments in software, hardware and ICT. This was reflected, for instance, on Leica stand where as well as daughter company LH Systems (photo-grammetric systems) also a number of strategic partners had a presence: like ESRI (GIS), Cyra (laser scanning) and Applanix (INS/GPS). Leica's newest partner AED, a certified company for cadastral work in Germany, had a stand next to that of Leica.

Value-added Resellers

The many VARs were mainly local ones. Their products addressed service-providing related to geo-information in a very broad sense, not merely mapping for cadastre or building and construction. Also end-to-end solutions are becoming seen as a topic, which means that a complete package is offered from data acquisition and maintenance to the use of these data for a specific purpose.

Proceedings and Intergeo 2001

The proceedings of the presented papers are available on www.dvw.de. They will not become available in hardcopy. Next year the Intergeo will be organised in Cologne from 19th to 21st September. I look forward to an even more successful event.



ISPRS Events Calendar

1 December 2000 Version

Note: ISPRS Sponsored Events are logo Highlighted

New entries and changes are bold highlighted

For monthly updates - visit the ISPRS Web Page www.isprs.org/calendar.html

Send Updates to: Prof. Tuan-chih CHEN

Fax: +886-2-2653-9148

E-mail: profchen@ms13.hinet.net

P = Telephone F = Facsimile E = E-mail tbr = to be resolved WG = Working Group

2 0 0 0			
DATE	EVENT	SITE	CONTACT
1-4 Dec 2000	ICORG 2000 - International Conference on "Remote Sensing and GIS/GPS" www.icorg.org	Hyderabad, AP INDIA	Prof. Iyyanki V Muralikrishna F: +91-40-339-7648 E: iyyanki@icorg.org
1-6 Dec 2000	"Practical Applications in the Geospatial Information Sciences" www.asprs.org/providence/index.html	Providence, USA	P: +1-301-493-0290/F: 493-0208 E: meetings@asprs.org
4-8 Dec 2000 UPDATED	21 st Asian Conference on Remote Sensing "ACRS 2000" http://acrs2000.csrnr.ncu.edu.tw	Taipei, TAIWAN	Prof. Liang-Chien Chen P: +886-3-425-7232/F: 425-5535 E: acrs2000@csrnr.ncu.edu.tw
5-8 Dec 2000	"PORSEC 2000" The Pacific Ocean Remote Sensing Conference on: "Inter-disciplinary Multi-Sensor Studies of Oceans"	Goa, INDIA	PORSEC Secretariat P: +91-0832-226-253/F: 223-340 E: porsec@csnio.ren.nic.in
18-20 Dec 2000	Hydro 2000	Norwich, UK	P: +44-181-445-3453/F: 446-8986 E: Dvd.Goodfellow@virgin.net
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DATE	EVENT	SITE	CONTACT
3-5 Jan 2001 <i>Confirmed by Council</i>	ISPRS Commission II, FIG C.53 WG, IAG WG SC4.1 "3 rd International Symposium on Mobile Mapping Technology" 	Cairo, EGYPT	Prof. Ron Li (ISPRS) P: +1-614-292-6946/F: 292-2957 E: li.282@osu.edu Dr. Naser El-Sheimy P: +1-403-220-7587/F: 284-1980 E: naser@ensu.ucalgary.ca
6-11 Jan 2001 NEW	IGeS Geoid School www.ensu.ucalgary.ca/~nel-shei/	Cairo, EGYPT	Dr. Naser El-Sheimy P: +1-403-220-7587 F: +1-403-284-1980 E: naser@geomatics.ucalgary.ca
8-10 Jan 2001	2 nd International Conference on Land Management	Danbury, UK	P: +44-1245-233-351/F: 233-751 E: richard.bullard@cwcom.net
8-12 Jan 2001	CNES-ISPRS Colloquium on "Physical Measurements & Signatures in Remote Sensing" 	Aussois, FRANCE	Inez Burger P: +33-1-44-64-15-15/F: 64-15-16 E: i.burger@colloquium.fr
20-26 Jan 2001	"Videometrics and Optical Methods for 3D Shape Measurements VII" http://spie.org/web/meetings/calls/pw01/conf/EI22.html	San Jose, USA	Assoc. Prof. Mark R. Shortis P: +61-3-8344-6401/F: 3-9347-2480 E: M.Shortis@unimelb.edu.au
22-24 Jan 2001	ION National Technical Meeting 2001 "The Changing Landscape of Navigation Technology"	Long Beach, USA	P: +1-781-981-3346/F: 981-3495 E: misra@ll.mit.edu
4-8 Feb 2001	"Environmental Solutions for Sustainability in the 21 st Century" - Exhibition and Conference	Abu Dhabi, U.Arab Emirates	P: +971-2-336-864/F: 332-393 E: gec@emirates.net.ae
6-9 Feb 2001	Airborne Visible InfraRed Imaging Spectrometer (AVIRIS) 2001 Workshop	Pasadena, USA	NASA/JPL E: av_tech@makalu.jpl.nasa.gov
13-15 Feb 2001	Org. of Islamic Capitals & Cities (OICC) Conference on "GIS Applications in Planning & Sustainable Development"	Cairo, EGYPT	P: +9662-6981-953/F: 6981-053 E: oiccorg@icc.net.sa

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DATE	EVENT	SITE	CONTACT
18-24 Feb 2001	Internationale Geodatische Woche	Obergurgl, AUSTRIA	P: +43-512-507-6757/F: 507-2910 E: geodaetischewoche@uibk.ac.at
19-22 Feb 2001	GIS 2001 "Branching Out: Spatial Technology Goes Mainstream" www.GIS2001.com	Vancouver, CANADA	Matt Ball P: +1-303-544-0594/F: 544-0595 E: mball@aip.com
21-23 Feb 2001	IAG Symposium on "Vertical Reference Systems"	Cartagena, COLOMBIA	E: alan.doodson@nottingham.ac.uk
26 Feb-1 Mar 2001	ISPRS Commission V , CIPA & ICOMOS International Workshop on Recreating the Past "Visualization and Animation of Cultural Heritage" 	Ayutthaya, THAILAND	Prof. Petros Patias (Pres. Com V) P: +30-31-99-6116/F: 99-6128 E: patias@topo.auth.gr Dr. Surat Lertlum, AIT P: +66-2-524-6149/F: 524-6147 E: surat@ait.ac.th
1-3 Mar 2001 NEW	OEEPE workshop on Airborne Laserscanning and Interferometric SAR for Detailed Digital Elevation Models http://www.geomatics.kth.se/~fotogram/OEEPE/oeepe_laser_main.htm	Stockholm, SWEDEN	Kennert Torlegård F: +46 8 790 73 43 E: ktd@geomatics.kth.se
4-10 Mar 2001	8º Encuentro de Geografos de America Latina www.cehu.com.ar/futuro/chile2001.htm	Santiago, CHILE	Prof. Francisco Ferrando E: esgeoarq@abello.dic.uchile.cl
8-9 Mar 2001	AM/FM/GIS Conference	Hyderabad, INDIA	P: +91-40-331-4141/F: 40-330-6770 E: sukuki@hd1.vsnl.net.in
8-9 Mar 2001	International Organization for Standards (ISO) 12 th Plenary of TC 211 "Geographic Information/Geomatics" www.statkart.no/isotc211/	Lisbon, PORTUGAL	Bjornhild Saeteroy P: +4722-59-6716/F: 59-6733 E: nts-it@tbl-nts.msmail.telemax.no
12-14 Mar 2001	"CONSAS 2001 - Geomatics Steps into the 3rd Millenium" 12 th Conference of Southern Africa Surveyors" www.plato.org.za/	Cape Town, SOUTH AFRICA	Brian Mellor E: bj mellon@iafrica.com
19-22 Mar 2001	FIG 10 th International Symposium on "Deformation Measurements"	Anaheim, USA	P: +1-909-392-2591/F: 392-2464 E: cwhitaker@mwd.dst.ca
27-30 Mar 2001	Large Lenses and Prisms http://lenses.osl.ucl.ac.uk/	London, UK	E: lenses@star.ucl.ac.uk
27 Mar-7 Apr 2001	Spring School in Quantitative Earth Observation www.climate-dynamics.rl.ac.uk/EOSchool.html	Oxford, UK	F: +44-1235-445-848 E: S.Clelland@rl.ac.uk
2-6 Apr 2001	3 rd IAA Symposium on "Small Satellites for Earth Observation" www.dlr.de/iaa.symp	Berlin, GERMANY	P: +49-30-67055-545/F: 67055-532 E: iaasymposium@dlr.de
3-5 Apr 2001	Oceanology International 2001 www.oiamerica.com	Miami, USA	Kari Jacobson P: +1-703-312-9129/F: 528-1724
3-6 Apr 2001 <i>Confirmed by Council</i>	Cosponsored by  , IAG & FIG 4 th International Symposium "Turkish-German Joint Geodetic Days"	Berlin, GERMANY	Orhan Altan (ISPRS Congress Dir.) P: +90-212-285-3810/F: 285-6587 E: oaltan@srv.itsn.itu.edu.tr TU Berlin P: +49-30-314-22375/F: 314-23315 E: gauss@inge3.bv.tu-berlin.de
9-12 Apr 2001	"Space 2001: An Earth Odyssey" The 17 th National Space Symposium	Colorado Springs, USA	P: +1-719-576-8000/F: 576-8801
21-26 Apr 2001 NEW	X Simposio Brasileiro de Sensoriamento Remoto www.dsr.inpe.br/sbsr2001	Foz do Iguaçu, PR, Brazil	E: sbsr@tid.inpe.br
23-27 Apr 2001	ASPRS Annual Conference "Gateway to the New Millenium" www.asprs.org	St . Louis, USA	P: +1-301-493-0290/F: 493-0208 E: meetings@asprs.org
24-27 Apr 2001	Permanent Committee on GIS Infrastructure for Asia & the Pacific (PCGIAP) meeting	Tsukuba, JAPAN	P: +81-298-64-4514/F: 64-8087 E: tsuji@gsi-mc.go.jp
6-11 May 2001	FIG Working Week & XXIV General Assembly	Seoul, KOREA	F: +82-335-35-0853 E: juhkim@kcsc.co.kr
11-13 May 2001	Centenary of Federation Surveying & Mapping Conference	Canberra, AUSTRALIA	P: +61-2-6257-3299

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DATE	EVENT	SITE	CONTACT
15-18 May 2001	21 st EARSeL Annual Symposium	Paris, FRANCE	P: +33-1-4556-7360/F: 4556-7361 E: EARSeL@meteo.fr
15-18 May 2001	Eco-Informa 2001 "Environmental Risks & the Global Community"	Argonne, IL USA	P: +1-630-252-8796/F: 252-2654 E: maryjo.acke@ch.doe.gov
21-25 May 2001	GSDI5 Conference on "Sustainable Development and Decision-making" 2 nd Meeting of the Permanent Committee for the Americas - PCIDEA GSDI Steering Committee Meeting	Cartagena, COLUMBIA	Mr Santiago Borrero E: sborrero@igac.gov.co
23-25 May 2001 NEW <i>Confirmed by Council</i>	3rd International Workshop on Dynamic and Multi-dimensional GIS  dellserv.star.ait.ac.th/dmGIS2001	Bankok, THAILAND	Dr. Jie JIANG E: jjie@nsdi.gov.cn Dr. Xiaoyong CHEN E: xychen@ait.ac.th
18-20 Jun 2001	Intergraph GeoSpatial Users Community	Atlanta, USA	P: +31-23-5666-558/F: 5666-581 E: GeoSpatialUsersCommunity@intergraph.com
24-28 Jun 2001	Geomatics 2001	Fredericton, NB CANADA	P: +1-506-453-8855/F: 444-4310 E: wayne@gov.nb.ca
29 Jul-3 Aug 2001	SPIE's 46 th Annual Meeting "Int'l Symposium on Optical Science & Technology"	San Diego, USA	P: +1-360-676-3290 E: membership@spie.org
6-10 Aug 2001	"ICC 2001" The 20 th International Cartographic Conference www.sbsm.gov.cn/icc2001/	Beijing, CHINA	LOC for ICC 2001 P: +86-10-6834-6614/F: 6831-1564 E: icc2001@sbsm.gov.cn
2 Sep 2001	Annual Meeting of Joint Board of Spatial Information Societies (JBSIS)	Budapest, HUNGARY	Dr. C.C. Tscherning - IAG Sec Gen E: cct@gfy.uu.dk
2-8 Sep 2001 UPDATED	International Association of Geodesy Scientific Assembly www.sztaki.hu/conferences/iaq2001	Budapest, HUNGARY	P: +45-3532-0600/F: 3536-5357 E: iag@gfy.ku.dk
18-21 Sep 2001	International Symposium of CIPA "High Technology for Historical Monuments"	Potsdam, GERMANY	Prof. Dr.-Ing. Joerg Albertz P: +49-30-3142-3331/F: 3142-1104 E: albertz@fpk.tu-berlin.de
1-3 Oct 2001 <i>Confirmed by Council</i>	5 th Conference on Optical 3-D Measurement Techniques (Jointly sponsored by FIG Commission V, ISPRS Commission V and IAG Section 1 - Special Commission 4) 	Vienna, AUSTRIA	Prof. Dr Heribert Kahmen (FIG Com V) F: +43-1-58801-12895 E: hkahmen@pop.tuwien.ac.at Prof. Dr. Armin Gruen (ISPRS) P: +41-1-633-3038/F: 633-1101 E: agruen@geod.ethz.ch
1-5 Oct 2001	6 th International Carbon Dioxide Conference http://co2.geophys.tohoku.ac.jp/	Sendai, JAPAN	P: +81-22-217-5792/F: 217-5797 E: secre@co2.geophys.tohoku.ac.jp
21-28 Oct 01	IAPSO - IABO Oceanography of the XXI Century "2001 - An Ocean Odyssey" www.retina.ar/2001_ocean/	Mar del Plata, ARGENTINA	Gerardo M. E. Perillo P: +54-291-486-1112/F: 486-1527 E: iado@criba.edu.ar
tbr Nov 2001	15 th CEOS Plenary	Kyoto, JAPAN	STA/NASDA

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DATE	EVENT	SITE	CONTACT
21-26 Apr 2002	XII FIG Congress & XV General Assembly 	Washington, DC USA	Mary Clawson E: clawsonm@nima.mil
27-31 May 2002 NEW	Symposium of Commission IV	Ottawa, CANADA	President: Dr. Costas Armenakis P: +1 613 992 4487 F: +1 613 995 4127 E: armenaki@nrcan.gc.ca
4-6 Jun 2002	22 nd EARSeL Annual Symposium	Prague, CZECH REP.	P: +33-1-45-5-673-60 F: 45-56-73-61 E: EARSeL@meteo.fr