



## president's report



### Dear Colleagues

This is the second ICA Newsletter to be published under the Editorship of Igor Drecki. Igor has worked hard and enthusiastically to develop a new, contemporary 'look-and-feel' for this important ICA publication. We hope that you enjoy reading this edition.

### Executive Committee Meeting

The ICA Executive Committee met in Vienna over two days during February 3 and 4, 2008. This was the first 'working' meeting of the EC and a number of items were addressed. These were:

- Vice Presidents presented reports on the status of Commissions and Working Groups that they liaise with. These reports provide the Executive Committee with information about the activities and plans of what we consider to be the workhouse of the ICA.

- Discussions were held regarding a function to celebrate the 50th anniversary of the founding of the International Cartographic Association in Switzerland on 9th June 1959. It was agreed to hold a commemorative event on 9th June 2009 and a one-day symposium on 10th June 2009 in Switzerland. Vice President Anne Ruas is coordinating the plans for the event.
- The ICA Research Plan continues to be developed and it is planned to publish a position paper in the affiliated journals of the ICA. This builds on the plan developed by the last EC. Vice President Menno-Jan Kraak has asked Commission and Working Group Chairs for input into this process.
- ICA Newsletter editor Igor Drecki provided developmental plans to the EC for endorsement. Discussions were held about the format of future issues and it was decided to reduce substantially the number of printed copies distributed and to complement paper issues with an electronic counterpart (PDF) that can be downloaded from the ICA Web

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## ica news the first 50 editions

May the ICA Newsletter serve its purpose and generate contacts between member countries, committees and commissions of the International Cartographic Association.

*Prof FJ Ormeling, President ICA, ICA NEWSLETTER No 1, June 1983*

The requirements for and possibility of generating an ICA Newsletter were conceived at the ICA's Sixth General Assembly in Tokyo in 1980. The project was further discussed with the late Prof FJ Ormeling (Senior), the then President, during a late night working at the Palace of Culture and Science in Warsaw during the 12th International Cartographic Conference in July-August, 1982, when I was, "smoothing the English" for his closing address to delegates.

Subsequently, in December 1982, I arranged my first meeting as Chair of the Publications Committee at the Royal Society in London, and a formal proposal to publish a Newsletter was tabled by Professor B V Gutsell of York University, Toronto, Canada. This was unanimously accepted, and Bernard agreed to act as a co-editor, provided that I shared the workload with him. As founder and Editor of the highly respected journal 'Cartographica', he had excellent contacts with the University of Toronto Press which agreed to reproduce, print and distribute the new publication. My own experience was as an Editor at Pergamon Press Ltd in Oxford. Sadly only a few of us who were involved in making this important decision on behalf of the ICA are still alive to read this 50th issue.

Bernard took responsibility for the co-ordination of the project; the chasing of potential contributors; editorial work; page make-up; and liaison with the UTP. My role was largely one of anglicising reports and submissions from non-English speaking member nations, together with editorial work. Invitations to make regular contributions were sent to the Executive Committee, Chairs of the then Commissions, National Committees, Sister Societies and also Conference Organising Committees and interested individuals – a policy which has served the Association well over the last 49 issues since Number 1 appeared in June 1983.

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A short walk in the Simmental Valley during the 6th ICA Mountain Cartography Workshop, Lenk, Switzerland | Photography Christian Haeberling



The spirit of cartography and of being a cartographer is to serve. Using our talents and unleashing the power of our discipline through interweaving the art and science to create well researched, useful and aesthetically appealing cartographic representations, provides the right environment to serve.

One of the joys of being a cartographer is to see other people use our maps. Walking around my University I often see students reading the Campus Map and trying to find their way around, to get to the right lecture theatre or simply checking where to get a nice cup of coffee. A Walking Map lying on the table in my office the other day provided an inspiration for one of the lecturers to take his family for a weekend stroll using a network of well connected urban walking tracks marked on the map. These are just a couple of examples of experiencing a true joy and getting a reward, often unnoticeable to the actual users, for our cartographic work.

With the call to serve comes responsibility. It is up to us to represent the truth to the best of our knowledge using not only cartographic principles but also ethical ones. Our maps, globes, displays and visualisations are here to enlighten, inspire, educate, challenge, inform, fulfil, guide... Let us be very much aware of our role and our duty to serve.

The ICA newsletter came into existence 25 years ago with a hope to serve the cartographic community of the ICA well. This revamped ICA News, with its new design and use of full colour, hopes to continue this mission. Any support through your contributions is vital in this endeavour.

I would like to thank all contributors for generously giving their time to report on important cartographic events, share comments and present future plans of their respective interest groups. Thanks to you this anniversary 50th edition of the ICA News is a reality.

I am looking forward to working with you in the future.

**Igor Drecki** | Editor ICA News | ICA

The **ica news** is published by the International Cartographic Association (ICA).

President: **William Cartwright** | RMIT University | Australia

Secretary General & Treasurer: **David Fairbairn** | Newcastle University | United Kingdom

Editor ICA News: **Igor Drecki** | The University of Auckland | New Zealand

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## president's report cont...

site. Please continue to send news items, dates of future events and any other items that might be of interest to the ICA community to Igor.

- Vice President Pablo Gran provided a report about the on-going work that Chilean colleagues are undertaking related to organising the ICC2009 conference in Santiago, Chile. The first call for papers has been made and a reviewed stream and an electronic map exhibition will be introduced as part of the Santiago conference. The ICA Executive Committee will meet in Santiago, Chile in November this year to inspect the conference sites and meet with the Local Organising Committee.
- Three new Working Groups were proposed and approval sought by the EC at the meeting. These have been approved and are: Open data access and intellectual property rights; Tourist cartography and census mapping. See the ICA Web site for additional information.

Our thanks to Vice President Georg Gartner who hosted the meeting at TU Vienna.

### 50th Anniversary of the International Cartographic Association

As noted in the information about items discussed at the Vienna EC meeting, to mark the occasion of the foundation of the ICA a special event will be held in Berne in 2009. The ICA was founded on June 9, 1959, in Bern, Switzerland. This occurred after a number of preparatory conferences were held 1956 - 1959, where its foundation was discussed. In 1961 the first General Assembly (I) was held in Paris. The first President was Professor Eduard Imhof, of Switzerland, who held this position between 1961 and 1964. The first conference, called the Technical Conference on Cartography, was held in Frankfurt am Main, Germany in 1962.

swisstopo and the Swiss Society of Cartography have offered to support this event and swisstopo will host the event at their office in Berne, the same site where the first ICA

meeting was held 50 years ago. Vice President Anne Ruas is organising the event for the ICA and The President of the Swiss Society of Cartography Stefan Arn has offered to be the liaison between the ICA and swisstopo and the Swiss Society of Cartography.

### ICA Website

When you look at the ICA Web site ([www.icaci.org](http://www.icaci.org)) you will see our new livery. Thanks to our new Webmaster, Felix Ortag from TU Vienna, the site has been re-designed with the help of Manuela Schmidt. The ICA Web site is now hosted by TU Vienna.

I would like to thank the former Webmasters Ton Markus and Nicoline McCarthy, from the Department of Geography, University of Utrecht for their work on the Web site for the last 8 years, when it was housed at the University of Utrecht. Their work over many years guaranteed that we had a professional communication resource to promote and inform about the activities of ICA. Thanks also to the Department of Geography at the University of Utrecht for hosting the Web site over this time.

### Art and Cartography Symposium

To facilitate research and development that addressed this the International Cartographic Association has formed a Working Group on Art and Cartography. The Working Group was approved at the General Assembly of the ICA, in Moscow, Russia, in 2007.

The first formal activity of the Working Group was a Symposium in Vienna, Austria, February 1 and 2, 2008. I was part of the Symposium organising team, with ICA Vice-President Georg Gartner (TU Wien) and Antje Lehn (University of Fine Art, Wien). TU Wien and the University of Fine Art, Wien kindly offered to be the venues for this event. The symposium organisers solicited contributions from Cartography and the Arts addressing the topics of maps as artistic artefacts and explorations of different interpretations of space and place using New Media and experimental art forms. As well as written papers contributions were also

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The ICA Executive Committee at their first 'working' meeting in Vienna; (from left) Georg Gartner, Zhilin Li, Menno-Jan Kraak, David Fairbairn, Milan Konecny, Anne Ruas, William Cartwright, Derek Clarke, Igor Drecki and Pablo Gran (absent: Timothy Trainor) | Photography Mirjanka Lechthaler





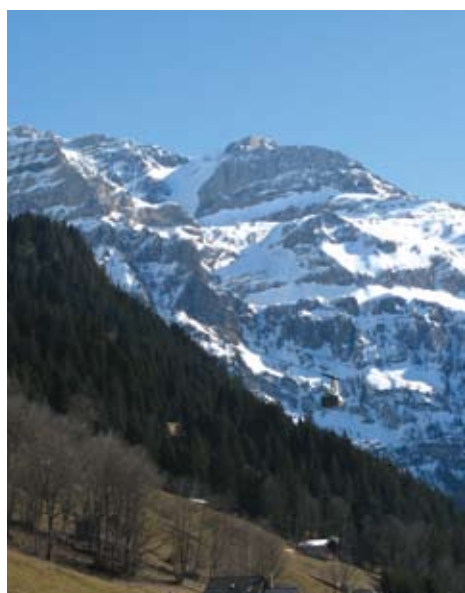


Installation by New Zealand artist and academic Dr Ruth Watson, Art and Cartography Symposium, Vienna |  
Photography Mirjanka Lechthaler

encouraged as posters, installations, artwork, film, video, web applications and experimental media. Some 70 papers, presentations and installations were made at the symposium.

## Mountain Cartography Workshop

I attended the Commission Workshop in Lenk, Switzerland in February. The meeting provided the opportunity for researchers and practitioners in the art and technology of mapping mountainous regions to present their work and to discuss recent developments. For me, this event allowed me to appreciate better the work of the Commission and the particular skills of those who work in this area of cartography.



Wildstrubel massif in Bernese Alps, Lenk | Photography Igor Drecki

## International Steering Committee for Global Mapping (ISCGM) Forum

The ICA was invited to attend the Forum in Tokyo. Professor Takashi Morita, former ICA Vice President and current Chair of the ICA

Commission on Ubiquitous Cartography represented the ICA at the meeting and provided information about the ICA's operations and how the ICA might best continue to work with ISCGM.

## Joint Board of Geospatial Information Societies

The Joint Board of Geospatial Information Societies is a coalition of international geospatial societies, including the ICA. It meets annually, usually in conjunction with a conference. The next meeting will take place in Beijing, China during the ISPRS conference. The ICA will be represented at the meeting by the ICA president and Secretary General Dr David Fairbairn. As well, Vice President Zhilin Li will also be in Beijing and attend meetings.

During the conference colleagues from the Local Organising Committee for ICC2009 Santiago, Chile will promote their conference. The President, Secretary General Fairbairn and Vice President Li will meet with the ICC2009 Local Organising Committee to progress discussions on this event. I will also present a paper at the JBGIS session at the ISPRS conference. The session is entitled *Education and Capacity Building in Geomatics* and it will focus on problems in education.

## ICA and ICA-supported events

The ICA is offering many events in the forthcoming months, and it has also endorsed or partnered other activities. Some of these events are listed below (my apologies if I have missed some events):

- Argentine Cartography Association 4th Cartographic Science Conference and 11th National Cartography Week, Buenos Aires, Argentina, 23rd and 27th of June 2008. The Congress programme will include a meeting of the ICA Commission on Cartography and Children, with Commission co-chair Jesus Reyes. Also, the ICC2009 delegation,

including Vice President Pablo Gran and the General Coordinator of the Local Organizing Committee will promote ICC2009 at the conference.

- 3rd Indonesian GeoInformation Technology Exhibition – *Integrated Portal of Dynamic Information* – to be held on 6-9 August 2008.
- Map Asia, August 18-20, 2008 – Kuala Lumpur, Malaysia ([www.mapasia.org](http://www.mapasia.org)).
- Map Africa August 25-26, 2008 – Cape Town, South Africa ([mapafrica.gisdevelopment.net](http://mapafrica.gisdevelopment.net)).
- Cartography and Geographic Information Society – AutoCarto 2008, Shepherdstown, West Virginia, USA, September 8-11, 2008 ([www.cartogis.org/autocarto](http://www.cartogis.org/autocarto)). The ICA Commission on Maps and the Internet will run a session at the conference.
- Indian National Cartographic Association - 28th International Conference, *Collaborative Mapping and Space Technology*, Gandhinagar, India, November 2008 ([www.incaindia.org](http://www.incaindia.org)).

Please visit Commissions and Working Groups Web sites for information about their activities.

## 'Semi' Retirement of Prof Ferjan Ormeling

Recently, Ferjan Ormeling officially retired from his position as Professor of Cartography at Universiteit Utrecht. As well as serving the ICA as Secretary General and Treasurer he also chaired the Standing Commission on Education and Training. He was involved in the ICA Basic Cartography series. As well, he was President of the Netherlands Cartographic Society, he co-authored the Cartography textbook series together with Menno-Jan Kraak and served on the Editorial Board of the Netherlands National Atlas Foundation of which he is now the Secretary. He represented the Netherlands in the United Nations Group of Experts on Geographical Names and will continue in this role as the Vice-Chair. He presently chairs the ICA Publications Committee.



Ferjan Ormeling (left) receives the Officer of the Order of Oranje-Nassau nomination; his wife Hanneke and the Mayor of Zeist Koos Jansen are also present |  
Photography Peter van der Krogt

We sincerely express our gratitude for his untiring and enthusiastic support of the ICA and its activities.

William Cartwright | President | ICA

# ica executive committee

## President

**William Cartwright** | RMIT University | Australia

## Secretary General & Treasurer

**David Fairbairn** | Newcastle University | UK

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**Georg Gartner** | Technische Universität Wien | Austria

**Pablo Gran** | Instituto Geografico Militar | Chile

**Menno-Jan Kraak** | ITC | The Netherlands

**Zhilin Li** | Hong Kong Polytechnic University | China

**Anne Ruas** | Institut Géographique National | France

**Timothy Trainor** | US Census Bureau | USA

## Past President

**Milan Konecny** | Masaryk University | Czech Republic

## Editor ICA News

**Igor Drecki** | The University of Auckland | New Zealand

# ica news contributions

Please send your contributions to

**Igor Drecki** | Editor ICA News | [i.drecki@auckland.ac.nz](mailto:i.drecki@auckland.ac.nz)

## Postal Address

School of Geography, Geology and Environmental Science  
The University of Auckland  
Private Bag 92019  
Auckland  
New Zealand

## Submission Deadlines

**15 May** for June edition

**15 November** for December edition

# ica news the first 50 editions cont...

Unfortunately we were not allowed the benefit of colour printing, but continued to generate the monochrome publication until October 1994 – our final contribution consisting of 24 pages, with illustrations, and publicising the 17th International Cartographic Conference and 10th General Assembly to be held in Barcelona in September 1995. The Newsletter was, from its introduction, provided free of charge as a service to the cartographic community with no restrictions being made to its reproduction, in whole or part, by member nations.

During our period as Editors, Bernard and I kept in close and frequent contact by mail and telephone, and met regularly in Oxford; at Publications Committee meetings – which were held at least twice a year; and at ICA Conferences. Reactions to the Newsletter were extremely encouraging and made our work much more pleasurable. As subsequent editors have doubtless discovered for themselves, the generation of a twice-yearly publication can sometimes be a somewhat frustrating task, depending as it does on the receipt of a regular supply of contributions for inclusion. At least the availability of the WWW and E-mail must render the task, and life in general, rather more bearable today!

The newsletter was taken over from us to be edited by Jean-Philippe Grelot (France), and rebranded as the ICA News in the summer of 1996 under the editorship of Chris Board (United Kingdom). He was followed by Graciela Metternicht (Australia) who controlled publication from 1999–2007. May I wish the new Editor, Igor Drecki (New Zealand) every success.

ICA has always intended that the main purposes of the Newsletter/News should be to increase awareness of its activities in all member nations; the encouragement of contacts to facilitate the exchange of information and experience; to chronicle new developments through the inclusion of reports; and, hopefully, to enlarge the Association's membership. In my opinion it has been successful in all of these areas, and I am confident it will go from strength to strength.

**Roger Anson** | Co-Editor 1982–1994 | ICA Newsletter | Oxford Brookes University | UK

INTERNATIONAL CARTOGRAPHIC ASSOCIATION / ASSOCIATION CARTOGRAPHIQUE INTERNATIONALE

## ICA NEWSLETTER



EDITORS: R.W. Anson / Oxford Polytechnic / Oxford OX3 0BP / United Kingdom  
B.V. Gutsell / University of Toronto Press / Downsview M3H 5T8 / Canada

Number 1, June 1983

### A MESSAGE FROM THE PRESIDENT ICA

*Dear Colleagues:* It is a pleasure to introduce the first issue of the Newsletter of the International Cartographic Association. The idea of such a publication was conceived at the Sixth General Assembly in Tokyo, 1980. It was generally felt there that the irregular, infrequently appearing *Bulletin* of the International Geographical Union, in which ICA news has been published since 1964, did not fulfil its purpose as an adequate cartographic news medium. Consequently, a separate ICA newsletter was recommended. Due to various circumstances, however, realisation of this project was delayed. Thanks to the initiative of Bernard V. Gutsell (the Canadian member of the ICA Publications Committee and Editor of the journal *Cartographica*), and the generous support of the University of Toronto Press, obstacles were removed, and now the manuscript of the first ICA Newsletter is ready for printing.

The ICA Newsletter will be issued twice a year. For economic reasons, it will be published in English only. Single copies of the Newsletter will be sent to ICA member countries, chairmen of ICA Committees and Commissions, sister organisations (FIG, ISPRS, IGU, etc.) and to editors of cartographic journals. Each of the recipients is requested to promote further distribution by photocopies or other means to interested agencies, institutes or individual cartographers.

May the ICA Newsletter serve its purpose and generate contacts between member countries, committees and commissions of the International Cartographic Association. *Prof. F.J. Ormeling / President ICA*

### ICA Newsletter Deadlines

Contributions to future Newsletters are invited from Commission Chairmen, National Committees and interested individuals. Reports on meetings, seminars, cartographic innovations etc (approx. 250 words) should be submitted in double-spaced type-written copy by November 1st and May 1st. Longer submissions will be considered subject to space considerations.

Address to: R.W. Anson, Oxford Polytechnic, Headington, Oxford OX3 0BP, United Kingdom

### XITH INTERNATIONAL CARTOGRAPHIC CONFERENCE

*29th July – 4th August, 1982, Warsaw, Poland*  
The 1982 Conference in Warsaw was a remarkable success in view of the political uncertainties in Poland. Participants numbering 437, representing 38 countries made the journey to Warsaw and their efforts were repaid by a meeting noted for a variety of interesting papers, a magnificent exhibition and hospitality from the host country that surpassed anything most visitors could have expected.

In total, 56 papers were presented in 9 sessions and one poster session. Most of the lectures dealt with the applications of known cartographic facts within applied situations and there was little evidence of the results of new and original research. Unfortunately, the quality of the visual presentation of materials relating to many papers left much to be desired. As during the Tokyo Conference, cartographers who are supposed to be masters of communication underestimated the range of visibility of their slides and transparencies. For the Perth Conference firm guidelines and specifications for the production of visual materials for projection and illustration of papers will be formulated in order to avoid the situations that occurred both in Tokyo and Warsaw.

The president of ICA, Professor Emeritus J.F. Ormeling, gave an account of the Conference in his closing address which is summarized below. He also presented a report of ICA activities in the two-year period between the 10th Meeting in Tokyo and the Warsaw Meeting.

### REVIEW OF THE SESSIONS

*SESSION I – Theoretical principles of cartography*  
It was regrettable that neither Salichtchev, nor Robinson, both heavily involved in Theoretical Cartography, were able to join the conference. In his invited paper, which was not presented, Salichtchev reviewed and criticized theoretical views of cartography which differ from his own. Five papers were delivered in this session. The first two tried to establish common ground between the various theoretical views of others by presenting the field of cartography from a different perspective. The presentations by Dr. Board and Prof. Grygorenko were closely tied to the theoretical views of the late Prof. Lech Ratajski. The final paper was an extension of these impor-



# ica news the spanish edition

Many governments of Spanish speaking countries have not realised the importance of offering English language classes at primary and secondary level education. As a result, the academic community in these countries, including students and professors, faces a great deal of difficulty in communicating using English. The research, reliant on exchange of ideas and global knowledge sharing, suffers greatly from the lack of access to technological and conceptual innovation. Our professionals, scholars and students are falling behind and have a very limited role in shaping the future of our discipline.

In 1999, the Mercator Group of the Universidad Politécnica de Madrid (UPM), fully aware of the lack of available information in Spanish language about the events, meetings, seminars and conferences relating to surveying and cartography, formed a student association called *CartoTranslator*, whose main objective was to disseminate information contained in geospatial journals amongst the Castellano speaking community. The association, based at the UPM School of Surveying Engineers, started off by translating the FIG Bulletin, the Bulletin of the British Cartographic Society *Maplines* and the ICA Newsletter, and making them available on the Internet.

The lack of administrative support and the intrinsic transient nature of student employees has seen a decline in the effort and eventually put on hold the initiative just after translating two issues of each of the mentioned journals.

In spite of these difficulties, 18 months later the Mercator Group re-evaluated the situation and decided that it would be worthwhile to continue the effort. At first the Group used its own funds for the project, but later obtained the support of the Laboratory of Geographic Information Technologies (LatinGEO), which is funded by the National Geographic Institute of Spain. The translation of the ICA Newsletter into Spanish was again a reality.

Since December 2004 a professional translator has been hired to expeditiously carry out the task. We feel very proud to take part in this effort.

The Spanish edition of the ICA News is being disseminated by means of RedIRIS distribution lists (Mercator List, GIS List, Cartovisual List, etc) and through other bulletins with a circulation in most Latin American countries. We are not currently aware of any individual or

organisation that produces hard copies of the newsletter, but would not mind having it done.

The Spanish edition of the ICA News is available from [redgeomatica.rediris.es/ICA/](http://redgeomatica.rediris.es/ICA/).

**Miguel A. Bernabé and Javier Moya** |  
MERCATOR Research Group | Technical University of Madrid | Spain

From left: Miguel Manso, Javier Moya and Miguel Bernabé (MERCATOR Group), the force behind the Spanish edition of ICA News | *Photography Javier Moya*



## 24th international cartographic conference 2009



*The World's Geo-Spatial Solutions* is the theme of the 24th International Cartographic Conference to take

place in Santiago, Chile during the period 15th – 21st of November, 2009. The organizers in Chile invite you all to this major gathering and are preparing a series of opportunities for the cartographic community, including:

- Present and publish your projects, experiences and knowledge in a paper, poster or map
- Exhibit the latest printed or digital cartography of your institution, company or project
- Obtain knowledge of state-of-the-art geo-spatial information techniques or in the earth sciences
- Introduce products and services directly to the public at booths staffed by your organization
- Sponsor the event, thus improving the profile of your organization worldwide and receiving a series of benefits at the conference
- Tour sites of technical (cartographic), geographic and tourist interest in Chile, whose great variety of landscapes and scenic

attractions will amply reward visitors to this country

The overall concept of the conference is to enable progress on geo-spatial solutions for the most pressing issues that the global community faces by bringing together national cartographic agencies, the scientific-academic community, the private sector, international organizations and contributors to the International Cartographic Association (ICA). A meeting of representatives of state or public agencies involved in cartography is planned as part of the program.

Moreover, the conference will refresh and strengthen the ICA in the Americas (the last ICC held in Latin America was in 1987, in Mexico). The Pan-American Institute for Geography and History (PAIGH, an international scientific organization reporting to the OAS) and its Cartography Commission will take this opportunity to link the mapping communities of Central and Southern America with the ICA by backing this conference.

ICA organizes this conference in conjunction with the ICC 2009 Local Organizing Committee (LOC), managed mostly by Chile's main state cartographic agency, the Military Geographic Institute (IGM), while some local universities and organizations also participate in the LOC

Scientific Sub-Committee.

The relevant deadlines are :

- 12th December, 2008: ICA travel grant applications
  - 16th January, 2009: abstracts for all categories and full papers in Refereed category
  - 30th June, 2009: change from 'early' to 'late' rates in registration fees (best to register early!)
  - 10th July, 2009: full papers in non-refereed category
  - In 3rd quarter of 2009: (exact date to be announced) applications to map exhibition
- A very full program is under development, including meetings (ICA Commissions & Executive Committee, Cartographic Agencies), technical sessions (oral presentation of papers), exhibitions on panels (maps, poster category and the "B. Petchenik" children's map competition), a cross-country orienteering event and some parallel events (non-ICA organizations). See the conference web site at [www.icc2009.cl](http://www.icc2009.cl) and contact LOC at [info@icc2009.cl](mailto:info@icc2009.cl). Chile looks forward to greeting you in Santiago, November 2009.

**Local Organizing Committee for ICC 2009** |  
Military Geographic Institute of Chile | Chile

## tom patterson



Shaded relief is my major interest in cartography, which began when I was a graduate student at the University of Hawaii (UH) in 1980 working on an atlas of American Samoa.

Needing shaded relief for the atlas and not having anyone in-house skilled with an airbrush or pencil, UH hired Michael Wood, University of Aberdeen, to do the work. A few months later a mailing tube arrived in Honolulu that influenced the course of my career. Inside was a sheet of drafting film covered with delicate graphite tones. Wood's shaded relief depiction of the complex Samoan landscape with only modulated light and shadows was easy to understand – and beautiful.

I was inspired to do similar work. After a couple of years' practice, I developed a knack for relief drawing and a style of my own. This arcane craft that I practiced mostly as a hobby eventually landed me a job with National Park Service in 1992, just as digital production was first becoming practical – and soon much more. Digital techniques now allow me to create relief maps in ways that I previously only imagined, mimicking the work of the best cartographic artists of the late manual era, such as Heinrich Berann, Eduard Imhof, Erwin Raisz, and Hal Shelton. The 391 national park areas are an ideal testing ground for these techniques.

I now work on many more types of maps, including bird's-eye views of historical sites, animations, interactive exhibits, and solid terrain models. The idea of "cartographic realism" guides my approach to map design. When appropriate, and in moderation, I add natural environment effects to a map, effects that people are familiar with and find pleasing – sun glints on water, warm illumination, organic textures, and natural colors. The goal is to make a map that will attract and hold the attention of readers for as long as possible, encouraging visual exploration. This is what happened to me nearly three decades ago with Michael Wood's shaded relief of Samoa.

**Tom Patterson** | US National Park Service | USA  
| [tom\\_patterson@nps.gov](mailto:tom_patterson@nps.gov)

The *Physical Map of the World*, a wall map with over 3,200 place name labels, is the latest item on Tom Patterson's website, [www.shadedrelief.com](http://www.shadedrelief.com).

Creating it involved the synthesis of four new mapping techniques developed over several years by the author and associates.

[www.cartography.ch](http://www.cartography.ch)

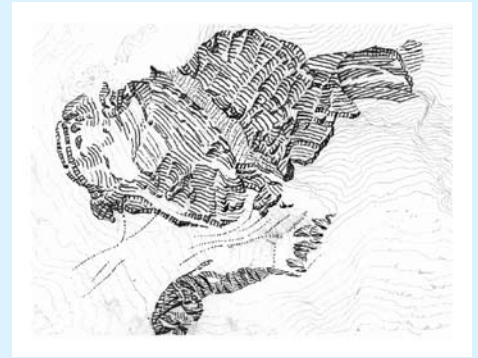
Cartography in Switzerland can look back on 500 years of history, leading amongst others to the development of the famous topographic maps published by the Federal Office of Topography.

Academic cartography in Switzerland started in the second half of the 19th century. One of the major milestones was the foundation of the Institute of Cartography at ETH Zurich in 1925 by Professor Eduard Imhof. He had a broad experience in international scientific collaboration and educational activities with the 1957 "International University Course in Cartography" offered in Zurich being seen as one of the first international continuing education activities in academic cartography. Imhof was one of the driving forces behind the establishment of ICA in Berne in 1959, being also its founding president.

However, it seems that national activities were rather eclipsed at that time: the Swiss Society of Cartography was only founded in 1969 in the aftermath of the early ICA years. Nevertheless, Swiss cartographers were always engaged in ICA activities; Ernst Spiess and Lorenz Hurni were for instance founder chairs of the ICA Commissions on Map Production and on Mountain Cartography respectively. Swiss map specialists were also involved in the elaboration of teaching guides, e.g. on topographic generalisation or on cartographic techniques, always focusing on design and quality aspects.

Today the Swiss Society of Cartography has a record high of 350 members and is organising regular meetings and symposia. In 2006, the "Prix Carto", an innovation award for the best map of the year was established and has since then significantly helped to further increase the recognition of cartographic products in Switzerland.

**Lorenz Hurni** | ETH Zurich | Switzerland



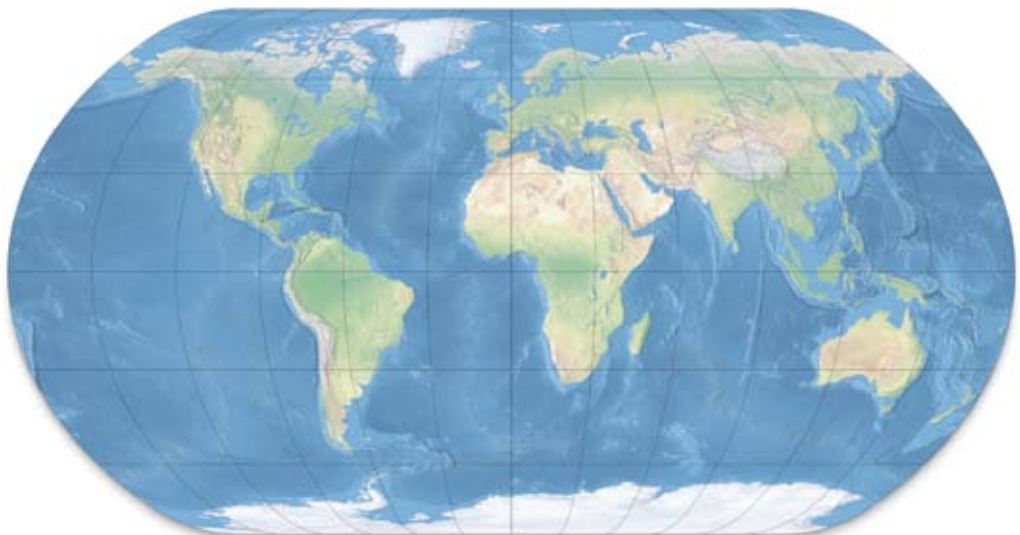
Rock drawing of Monte Leone by Prof Ernst Spiess, 1987



Students of ETH Zurich drawing rocks in the Swiss Alps in 1969 | Photography Ernst Spiess



Publications on Cartographic Generalisation edited by the Swiss Society of Cartography





# profiles the cartographic journal

[www.maney.co.uk/journals/carto](http://www.maney.co.uk/journals/carto)

The Cartographic Journal is the official Journal of the British Cartographic Society. First published in 1964, it is an established journal of record and comment containing authoritative peer-reviewed articles and international papers on all aspects of cartography, the science and technology of presenting, communicating and analysing spatial relationships by means of maps and other geographical representations of the Earth's surface. This includes coverage of related technologies where appropriate, for example, remote sensing, geographical information systems (GIS), the Geoweb and global positioning systems. The journal also includes international cartographic news, recent book and software reviews, viewpoint articles and maintains a list of recent maps and atlases.

The first issue included an eclectic mix of papers including experimental portrayal of relief, globe construction, a review of cartography as a University discipline. The diverse nature of Cartography has been well represented throughout the Journal's impressive history with articles on all aspects of the subject. As a barometer on the changing fashion in cartography, and the evolution of technology, articles provide a fascinating insight. In 1967, J. C. Robinson presented a paper on the Sympap Programme for Computer Mapping. Some 40+ years later, M-J Kraak authored the most popular paper 'download' on the importance of maps in GIScience; and we are preparing a Special Issue on Cartography and Visualisation. Likewise, 1972 saw an article exploring the development of cartography degrees at UK Universities. By 2003, many of these had closed due to the growth of GIS yet, more recently, articles have shown that cartography, perhaps more than ever has relevance in society and also as an academic subject. Scanning the indexes of The Journal provides a reflection on cartography itself. The eclectic nature of work published remains a key feature of The Journal along with the distinct refereed and non-refereed sections that encourage both high quality academic research and general interest papers. A recent issue included such diverse topics as a mathematical approaches to new myriahedral map projections alongside an article exploring the history of 'jigsaw' maps.

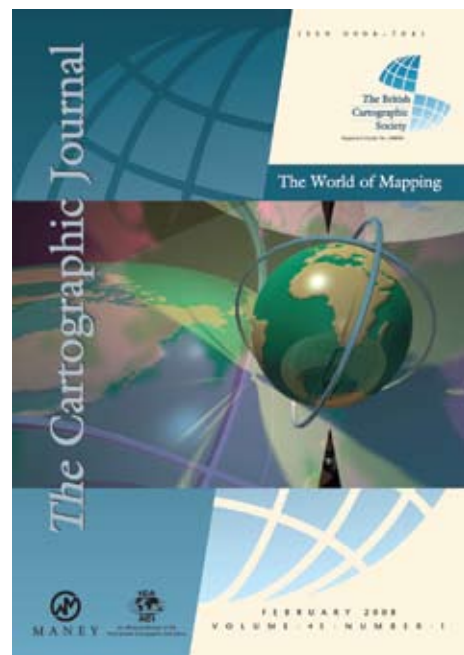
In 2001, publication of The Journal was contracted to Maney publications and has since benefited from full colour throughout which is a tremendous advantage in the discipline and allows authors to showcase their work to great effect. This has certainly helped in the publication of both Cynthia Brewer's article on colour schemes for choropleth maps and Bernhard Jenny's superbly illustrated article on new methods for Swiss-inspired hill-shading. Both these papers won the prestigious Henry Johns 'best Journal paper' award which the journal awards annually for the best work published. The Journal pre-dates other

Cartography journals by some distance and remains the only one that is ISI rated as well as being an official journal of the International Cartographic Association. It is also indexed and/or abstracted widely.

The readership is diverse, being a members benefit for the British Cartographic Society but also widely subscribed to by international academics, scholars, technicians and libraries. Contributions to The Journal are also international and many highly respected and notable cartographers have seen their work published through the 45 volumes to date. The Journal was published bi-annually from its inception to 2003 when it introduced a third 'Special Issue'. The tradition of themed Special Issues was intended to become an annual feature with the introduction of a third issue. The most widely commended of these was a Map Curator's Special Issue but the Special Issue has also been successfully used to produce the UK report on Cartography for ICC. In 2008, The Journal expanded once more to become a quarterly publication; retaining at least one Special Issue per Volume. J. S. Keates was, fittingly, the first of eight Editors of The Journal to date. The contribution of guest editors, assistant editors, international editors and the many contributors have shaped The Journal into a world renowned publication. It is almost invidious to name contributors since all those who submit their work for publication have provided material of a consistent high standard. However, some eminent cartographers have chosen The Journal as a vehicle for their work which has enhanced the publication as well as contributed in some small way to shaping the careers of those involved. Noting a few of these authors also illustrates both the breadth of cartographic work and the international scope of the journal: D. H. Maling, W. R. Tobler, C. Board, A. L. Allan, J. B. Harley, H. Wallis, D. Woodward, D. W. Rhind, J. Bartholomew, D. Cuff, A. H. Robinson, B. Petchenik, F. J. Ormeling, A. Brown, J. M. Olson, J. C. Muller, H. W. Castner, R. Wheate, A. Coleman, W. G. V. Balchin, M. Monmonier, M. Visvalingham, H. Moellering, T. Slocum, J. Snyder, D. Fairbairn, M. Wood, J. Ronald Eastman, A. MacEachren, Z. Li, D. R. F. Taylor, M-J. Kraak, D. J. Unwin, J. B. Krygier, V. Lawrence.

The readership, distribution and respect of The Cartographic Journal continue to grow. The Journal has recently introduced an online submission and review system which further illustrates its determination to remain at the forefront of cartographic publications. The next few years are already mapped out with some exciting Special Issues on the horizon to explore a range of cartographies. Papers are always invited and I would encourage any author looking for a high quality outlet for their work to consider The Cartographic Journal.

**Kenneth Field** | Editor | The Cartographic Journal | UK



Recent cover of *The Cartographic Journal*

## icc 2013

The 26th International Cartographic Conference (ICC), organised under the auspices of ICA, is scheduled to take place in the year 2013. The Executive Committee hope to make the decision of the location for this conference soon. According to the working practices of ICA, any member nation may lodge a bid to host an ICC or a General Assembly.

A letter of intent should be sent as soon as possible to the Secretary General & Treasurer, accompanied by completed bid documents containing details on budget, facilities, premises and intended registration fees.

Further details regarding the obligations and opportunities for bidding for and hosting ICCs can be found in the ICA Directory, either in its paper form (as sent to each national member) or on the ICA website [www.icaci.org](http://www.icaci.org).

**David Fairbairn** | Secretary General & Treasurer | ICA | [dave.fairbairn@newcastle.ac.uk](mailto:dave.fairbairn@newcastle.ac.uk)

## Cartography and Children

[lazarus.elte.hu/ccc/ccc.htm](http://lazarus.elte.hu/ccc/ccc.htm)

### Meeting in Borovets, Bulgaria

During the 2nd Conference on Cartography and GIS in Borovets, our Commission had the opportunity to meet and to exchange opinions about our plans for the period 2008-2009. The meeting was organized by the Co-chair Temenoujka Bandrova, President of the Local Organizing Committee.



Some of the colleagues participating in the meeting

The meeting was held on January 22 during the afternoon with the participation of representatives from seven member countries. Co-Chair Jesus Reyes summed up the activities planned for the next two years. This information is available for download, as a presentation file, from the Commission website. The main subject of our debate was centered to two topics:

Jesus Reyes presents the Commission schedule for 2008-2009



### Proposal about the Barbara Petchenik Competition

One of the main themes discussed during the meeting was the proposal for possible changes in the organization of the next Barbara Petchenik Children's Map Competition. Last year in Moscow, a first proposal was presented at the ICC 2007. During our meeting in Borovets, the changes suggested by our colleague Peter van der Krogt, The Netherlands were added to the original proposal. His very detailed ideas concerned not only the judging, but also technical requirements for the entries and organization of the competition. After the meeting, the Commission Co-chairs sent a newsletter to all members asking for their comments, opinions and questions, to complete our proposal in time for the next Competition in 2009.

### Proposal for a School Atlas Competition

A proposal submitted by our Past Chair Patrick Wiegand for an organisation of a School Atlases competition within the International Map Exhibition at ICC conferences was also discussed. The Commission members decided to respond to the idea by sending their opinions and comments.

During the conference participants had also the opportunity to enjoy a special exhibition of maps made by Bulgarian children for the Barbara Petchenik World Map Competition, including the best pieces sent to the national contest in 2007.

### Future Plans

The Commission Co-Chairs are currently trying to organize a general meeting during the first half of 2009. We are looking at different options involving member countries. Once we have a definitive decision about the meeting we will advertise it in the next newsletter of our Commission, the ICA News and on our website.

José Jesús Reyes Nunez | Co-Chair | ICA  
Commission on Cartography and Children | Hungary

## Digital Technologies in Cartographic Heritage

[web.auth.gr/xeee/ICA-Heritage/](http://web.auth.gr/xeee/ICA-Heritage/)

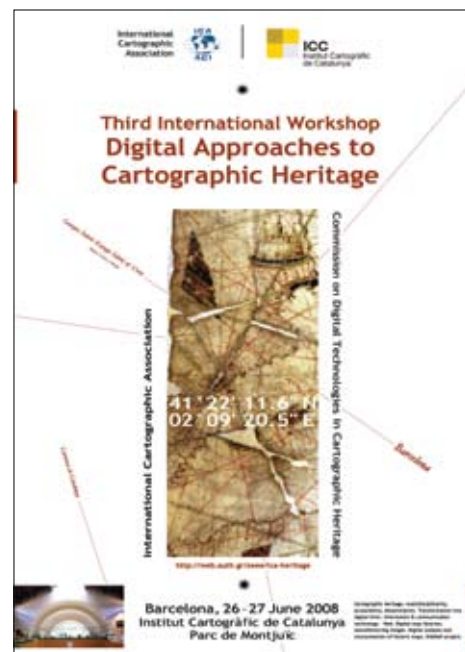
### Meeting in Barcelona, Spain

The 2008 activities of the Commission are focused on the upgrading of its website and on the organization of the 3rd International Workshop on Digital Approaches to Cartographic Heritage, to be held in Barcelona in June 26 and 27, after a kind invitation by and the contribution of the Institut Cartogràfic de Catalunya. The workshop ([web.auth.gr/xeee/ICA-Heritage/Commission/3rd\\_Workshop/](http://web.auth.gr/xeee/ICA-Heritage/Commission/3rd_Workshop/)

[Barcelona.htm](http://Barcelona.htm)), supported by the Hellenic Cartographic Society, the Aristotle University of Thessaloniki and the international web journal *e-Perimtron* on sciences and technologies affined to history of cartography and maps, will cover the following themes:

- the concept of cartographic heritage and its multidisciplinary, sustainability and dissemination
- techniques and procedures for the transformation of cartographic heritage objects into digital form
- the relevance of information and communication technologies and of the Web
- the relation of spatial data infrastructures and digital map libraries
- digital documentation, analysis and interpretation of historic maps
- specific ongoing projects and international cooperation regarding the digital impact in cartographic heritage

Participants and contributors representing universities, research institutions, national and university libraries and enterprises dealing with digital capturing and archiving are coming from Austria, Belgium, Croatia, Czech Republic, Estonia, France, Germany, Greece, Italy, Netherlands, Portugal, Slovenia, Spain, Sweden, United Kingdom and the United States of America.



### Future Plans

The Commission will contribute to and support the 10th Cartographic Conference of the Hellenic Cartographic Society to be held in Ioannina in 12-15 November ([web.auth.gr/xeee/xeee\\_2008\\_1st\\_circ.pdf](http://web.auth.gr/xeee/xeee_2008_1st_circ.pdf)) and the Workshop on Archiving in Digital Cartography and Geoinformation to be held in Berlin (4-5 December) in cooperation with the Berlin-Brandenburg Section of the German Cartographic Society and the Codata Germany, the



German National Committee on Data for Science and Technology ([www.codata-germany.org/Archiving\\_2008/](http://www.codata-germany.org/Archiving_2008/)).

**Evangelos Livieratos** | Chair | ICA Commission on Digital Technologies in Cartographic Heritage | Greece ●

## GeoVisualization

[geoanalytics.net/ica/](http://geoanalytics.net/ica/)

### Workshop at the AGILE Conference, Girona, Spain

We had an interesting and stimulating workshop entitled *GeoVisualization of Dynamics, Movement and Change* at the AGILE conference in Girona. Twenty extended abstracts (selected from 26 submitted) have been presented at the workshop within 4 sessions:

- analytics methods for movement
- movement patterns
- events and time series
- other types of spatio-temporal data

You can find all papers and almost all slides at the workshop web site [geoanalytics.net/GeoVis08/](http://geoanalytics.net/GeoVis08/).

### EU Coordination Action VisMaster

We are glad to inform you that several commission members are involved in a recently approved EU-funded Coordination Action *VisMaster. Visual Analytics – Mastering the Information Age*. The major goal of this CA is to promote visual analytics at the European scale and prepare a basis for EU-funded R&D projects related to visual analytics. A workpackage called *Working group on Spatial and Temporal Aspects* is coordinated by the Fraunhofer Institute, Germany with the participation from the University of Rostock (H.Schumann), University of Pisa (D.Pedreschi), City University (J.Dykes), University of Zürich (S.Fabrikant and R.Weibel), and ITC (M.-J. Kraak). The main activity of the working group will be an expert workshop (to be organized in 2009) followed by collecting and summarizing the results from the workshop for the Visual Analytics research roadmap. We shall do our best to involve other commission members into this activity.

### Future Plans

The Commission is organising a workshop on *Geospatial Visual Analytics*, 23 September 2008, Park City, Utah, USA. For more information visit the workshop's web site [geoanalytics.net/GeoVisualAnalytics08/](http://geoanalytics.net/GeoVisualAnalytics08/).

**Gennady Andrienko** | Chair | ICA Commission on GeoVisualization | Germany ●

## Mapping from Satellite Imagery

[mailer.fsu.edu/~xyang/ica/](mailto:mailer.fsu.edu/~xyang/ica/)

The ICA Commission on Mapping from Satellite Imagery is supporting two major conference events in 2008.

### Student-oriented Research Meeting, Tallahassee, USA

The meeting took place in March 2008 and was organized by the Florida State University (FSU) Department of Geography, and the Society for Geospatial Sciences (the FSU Student Chapter of the American Society for Photogrammetry and Remote Sensing-ASPRS). The conference attracted several dozens of graduate students from the United States, along with several world-class scholars, to the city of Tallahassee from 28 to 30 March 2008. Dr. Xiaojun Yang, Chair of the ICA Commission on Mapping from Satellite Imagery, served as Scientific Advisor to this conference, and the keynote speaker was Dr Marguerite Madden, President of ASPRS. This conference attracted early-career researchers, mainly from the United States, to their first involvement with ICA activities.

### Future Plans

The second event is the 4th International Symposium on Geoinformation for Disaster Management (Gi4DM), which will be jointly held with the 3rd International China Workshop on Information Systems for Crisis Response and Management (ISCRAM-CHINA) at the Harbin Engineering University, Harbin, China, from 4 to 6 August 2008. Dr. Jonathan Li, Vice Chair of the ICA Commission on Mapping from Satellite Imagery, serves as Chair of the Scientific Committee for the Symposium. A fundamental goal of this Symposium is to promote dialogue on disaster management problems in their entirety by considering geospatial technologies applicable for emergency and disaster management, as well as particular user requirements for spatial data and standards.

**Xiaojun Yang** | Chair | ICA Commission on Mapping from Satellite Imagery | USA ●

## Maps and Society

The ICA Commission on Maps and Society was established in August 2007 at the 14th General Assembly of the International Cartographic Association in Moscow.

The Commission was proposed to reflect the profound social changes through which the cartographic professions are progressing. Its

terms of reference are to facilitate and encourage the use of social scientific and critical approaches to mapping and to encourage a more active engagement between cartographers and other groups in society engaged in mapping activities.

Between 2007-2011 the Commission will:

- develop a Maps and Society web site to act as a clearinghouse and one stop shop for researchers and practitioners in this area
- sponsor and organise sessions at future ICA conferences
- organize two specialist workshops on topics related to Maps and Society. These will be local meetings to generate increased ICA participation from groups in different global contexts
- encourage publication in this area
- collaborate and participate with representatives of other disciplines in meetings and seminars
- hold joint meetings with specific mapping communities focusing upon different mapping encounters

### Meeting in Boston, USA

The first meeting of the new Commission took place at the Association of American Geographers Meeting in April 2008 in Boston, USA, the world's largest Geography conference, with over 7 000 delegates and up to 70 parallel sessions.

At the conference Chris Perkins (University of Manchester, UK) (Universidade Regional do Cariri, Brazil) and Jörn Seeman (Universidade Regional do Cariri, Brazil and Louisiana State University, USA) organized three sessions under the Theme Subversive Cartographies. 14 papers were presented in these three sessions. Around 90 of the people attending these packed sessions registered an interest in the new Commission. It is intended to publish some of these papers in a theme issue of the journal *Cartographica*.

### Future Plans

The next meeting of the Commission will take place in the UK at the Annual Royal Geographical Society / Institute of British Geographers conference in London in August 2008. Here the theme is a focus on the uneasy relationship between Geography as a discipline and mapping, and papers are being presented in three sessions under the Title Maps as Method. There is also a plenary discussion organised in conjunction with the Commission on the Future of the Map. For details of the conference and programme see [www.rgs.org/WhatsOn/ConferencesAndSeminars/Annual+International+Conference/AC2008+online+programme.htm](http://www.rgs.org/WhatsOn/ConferencesAndSeminars/Annual+International+Conference/AC2008+online+programme.htm).

**Chris Perkins** | Chair | ICA Commission on Maps and Society | UK ●

## Mountain Cartography

[www.mountaincartography.org/](http://www.mountaincartography.org/)

### Workshop in Lenk, Switzerland

In February 11 to 15, 2008, for the first time Switzerland was a host nation of the 6th edition of the traditional ICA Mountain Cartography Workshop. The Workshop focused on mountain-related topographic and thematic aspects and their depiction on maps and map related representations. Since 1998, every second year cartographers and representatives of other fields related to cartography and GIS (e.g. geology, natural hazards, tourism, biology) are meeting in an inspiring mountain region to discuss their current projects and work.

Under the lead of Prof Lorenz Hurni, the Institute of Cartography at ETH Zurich was in charge of the Workshop organisation, which took place at Lenk im Simmental. Lenk is a small village in the Bernese Alps, and is situated in a wide valley north of the Wildstrubel massif. The sports and recreational complex KUSPO ([www.kuspo.ch](http://www.kuspo.ch)) provided convenient infrastructure and comfortable accommodation, making it an ideal place for a successful meeting.

Almost 60 participants from 15 countries took part in the Workshop. Besides core members of the Commission, many new experts and researchers were in attendance. The Workshop participants were honoured having welcome addresses delivered by William Cartwright, President of the ICA, and Stefan Arn, President of the Swiss Society of Cartography (SGK).

The Workshop programme featured three different kinds of presentations, i.e. "classic" presentations reporting on the latest research and developments, short presentations according to the Pecha-Kucha system (see [en.wikipedia.org/wiki/Pecha\\_Kucha](http://en.wikipedia.org/wiki/Pecha_Kucha)) covering

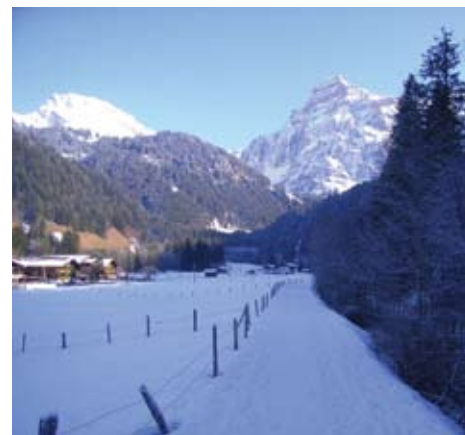
production processes and new products, and a small map and relief exhibition showcasing the newest map products. The 34 presentations were grouped into the following five main themes:

- Physical Geography
- DEM and Terrain Modelling
- Relief Depiction
- History of Mountain Mapping
- Multimedia Applications and Mobile Devices

In the *Physical Geography* sessions, a number of scientific mapping and cartographic projects as well as case studies from all over the world were presented (Michaela Kinberger, University of Vienna; Manfred Buchroithner, TU Dresden; Giorgio Vassena, University of Brescia; Richard Ladstätter, TU Graz; Sabine Stäubli, University of Lausanne). Other presentations covered issues relating to terrain evaluation or monitoring techniques (Igor Drecki, University of Auckland; Melanie Kunz, ETH Zurich; David Theler, University of Lausanne). Finally, developments of new interactive map and 3D-visualisation applications were discussed (Alexander Thimm, Swiss National Park; Karel Kriz, University of Vienna; Christophe Lienert, ETH Zurich).

The *DEM and Terrain Modelling* session covered projects that involved making use of latest laser technologies or high resolution satellite image data (Julien Vallet, Helimap.ch; Kirsten Wolff, ETH Zurich), new approaches for the visualisation of hidden geological structures (Peter Jordan, Böhlinger AG) and derivation of contour lines for small scale maps (Anna Leonowicz, ETH Zurich). A presentation by Maria Pla and Blanca Baella (ICC, Barcelona) focused on requirements for database-driven relief representations for topographic maps.

The sessions on *Relief Depiction* covered the broadest variety of presentations. First, the needs of mountain map users concerning the accuracy and symbolisation of topographic



View towards the upper end of the Simmental |  
Photography Christian Haeberling

maps, especially members of Alpine Clubs, were evaluated (Martin Gurtner, swisstopo). Further two presentations dealt with the evolution of classic relief maps and perspective views for different cartographic purposes (Alex Tait, International Mapping; Martin Gamache, National Geographic). Similar, but more technical projects on the development of new tourist maps with an integrated shaded relief were demonstrated (Roger Smith, Geographix NZ; William McNulty, National Geographic; Tom Patterson, US National Park Service). David Schobesberger (University of Vienna) presented an evaluation of the application and effectiveness of 2-D vs 3-D representations in National Park maps. Loïc Gondol (IGN Paris) talked about tests for new cliff drawings and scree representation on topographic maps. Tibor Tóth (Tóth Graphix) demonstrated his relief shading methods using Photoshop and a tablet device. Finally, Stefan Räber (ETH Zurich) presented various physical relief depiction techniques, including the production of physical relief models with modern computer-driven drilling machines for an Earth Science exhibition at ETH Zurich.

The session on the *History of Mountain Mapping* started with a biographical presentation of the Swiss topographer and cartographer Jacot-Guillarmod (1868–1925) and his influential cartographic cliff representations (Hans-Uli Feldmann, swisstopo), followed by a presentation on the cartographic tradition and the latest technological developments at the Institute of Cartography of ETH Zurich (Lorenz Hurni). Alistair Pearson (University of Portsmouth) reported on laser measurements and geometric analysis performed on a historic relief model to check its accuracy.

A session on *Multimedia Application and Mobile Devices* for mountain mapping comprised presentations on web applications for data acquisition (Dusan Petrović, University of Ljubljana), spatial communication using Google tools (Karel Kriz, University of Vienna) and accessibility visualisation (Adrian Weber, ETH Zurich). Furthermore, an implementation of GPS technology for mountain mapping and



Participants of the 6th ICA Mountain Cartography Workshop in Lenk, Switzerland | Photography Christian Haeberling



tour planning was demonstrated by Juan Galera (University of Leon).

The topics of the eight short presentations grouped in two sessions included representational principles of rock depiction (Jürg Gilgen, swisstopo), tourist mapping activities in Romania (Gabriela and Marin Ilies, University of Cluj-Napoca), the historic development of panoramic maps (Arne Rohweder, Gecko Maps), mobile trekking guide devices for the Rwenzori National Park, Uganda (Constante Bonacina, University of Brescia), smart interactive maps (Nathaniel Kelso, The Washington Post), Multidate habitat mapping approaches in Quebec (Guillaume Fortin, University of Moncton), a topographic map of the Tatra Mountains (Rafal Jonca, RJ Carto), and traditional hill-shading for digital maps (Gizella Bassa, Gizimap).

A new kind of discussion forum was tried out for the first time at the Workshop and immediately attracted a lot of interest due to its topic: New graphic design for the Swiss National Topographic Maps. The forum was led by Lorenz Hurni (ETH Zurich), and Hans-Uli Feldmann and Martin Gurtner (both swisstopo). Participants discussed vividly the new structure of the map content with new object classes, and shared their views about the displayed design specimens with different symbolisation and labelling options.

The Workshop featured various social events and activities which fostered great networking among the participants. On Tuesday evening, the welcome drinks at the *Cinema Lenk* were accompanied by the projection of two recent Swiss films. Due to the excellent weather, Wednesday presented itself as a wonderful opportunity to enjoy various outdoor activities like skiing, snow walking or simply relaxing in the sun. At the curling event that evening, many newly formed international teams were established to master this challenging sport. Finally, the "Raclette dinner", a traditional Swiss cheese dish, was very much appreciated by everyone on Thursday evening.



The traditional Swiss raclette dinner puts smile on many faces | Photography Christian Haerberling

All papers and contributions for the workshop will be published in the workshop proceedings in mid 2008. The contributions will also be accessible on the Commission website.

## Future Plans

The next ICA Mountain Cartography Workshop will take place in Borsa in the Maramures Mountains, Romania, 1–5 September 2010. Gabriela and Marin Ilies from the Babes-Bolyai University of Cluj-Napoca are the local organisers. For more information please visit the Commission's website.

**Christian Haerberling** | ETH Zurich | Switzerland

**Lorenz Hurni** | Co-chair | ICA Commission on Mountain Cartography | Switzerland

## Theoretical Cartography

[rcswww.urz.tu-dresden.de/~wolodt/tc-com/](http://rcswww.urz.tu-dresden.de/~wolodt/tc-com/)

### Workshop in Kyiv, Ukraine

Our Commission together with the National Aviation University, Department of Human Safety (co-organizer Prof. Zaporozhshch) held the 2nd Joint Workshop *Cartography, Cartosemiotics and Ecological Safety* on 28 March 2008 in Kyiv, the capital city of Ukraine.



Participants of the 2nd Joint Workshop in Kyiv

Over 20 participants from Kyiv, Kharkov and Smolensk universities and institutes (National Aviation University, Faculty of Ecology; Kharkov Aviation University, Institute of Geography, Smolensk Pedagogical University, Institute of Telecommunication, Institute of Land Use and Information Technologies) took part in this one-day workshop. In three oral sessions there were 15 papers presented with topics covering theoretical cartography and cartosemiotics, ecological safety, education and mapping. The results of the workshop will be published as a CD-based Proceedings in the near future.

The 3rd Workshop is planned either for March 2009 in Kyiv or for September in Alushta, Crimea.

### Workshop in Vilnius, Lithuania

The ICA Commission on Theoretical Cartography and the Centre of Cartography, Faculty of Geosciences of the Vilnius University held a joint workshop *Selected Problems of Theoretical Cartography* on 14 May 2008 in Vilnius, capital city of Lithuania.

Our workshop aimed at discussing some

selected aspects of theoretical cartography concerning the national atlases of Germany, Lithuania and Ukraine. Alexander Wolodtschenko delivered the main report about (carto) semiotic portrait of the national atlas of Germany. Other discussion topics of the workshop included:

- conceptual aspects and peculiarities of national atlases
- classical and non classical atlases
- T-M method (thematic and module related method) of atlas analysis
- quantitative approach/research of semiotic atlas potential
- atlas index as accumulator of cartosemiotic knowledge



Participants of the Joint Workshop in Vilnius

The workshop brought together researchers, developers and editors of the National Atlas of Lithuania (volume 1 of this Atlas is planned to be published next year). It was a productive interdisciplinary meeting, with discussions and exchange of experiences amongst theoretical researchers and practitioners.

The next workshop of this series is planned for April 2009 in Vilnius.

**Alexander Wolodtschenko** | Chair | ICA Commission on Theoretical Cartography | Germany

**Giedre Beconyte** | Vilnius University | Lithuania

## Use and User Issues

[www.univie.ac.at/icacomuse](http://www.univie.ac.at/icacomuse)

Although this has not yet been very visible to the outside world and the ICA community, the new ICA Commission on Use and User Issues has been very active since its establishment in Moscow in 2007. But this visibility will soon improve, if only because of the following two achievements:

- The publication of a special issue of *The Cartographic Journal* (Volume 45, number 2)
- The opening of our new website

### Special issue of *The Cartographic Journal*

The special issue of *The Cartographic Journal* contains refereed articles from distinguished commission members: Muki Haklay & Antigoni

> 12

Zafiri; Eric Kramers; Alexander Pucher; Robin Scrimgeour & David Forrest; Annu-Maaria Nivala, Stephen Brewster & Tiina Sarjakoski; Corné van Elzakker, Ioannis Delikostidis & Peter van Oosterom, and Chris Perkins. The journal has been edited by the core members of the commission (Annu-Maaria Nivala, Alexander Pucher, David Forrest and Corné van Elzakker).

### Commission Website

The new website of the commission is hosted by the University of Vienna and Alexander Pucher is the webmaster. It is a website for the real exchange of knowledge, news and information on use and user issues and an important component of it will be an online dynamic bibliographical database containing references and keywords to publications on this topic.

### Future Plans

Not yet visible, but an important part of the commission's activities is the planned publication of a textbook on use and user research methods and techniques in the field of geo-information processing and dissemination. 2011 is the planned year of publication and the book is the main item for discussion at the next meeting of the commission during the 5th International Symposium on LBS & TeleCartography in Salzburg, Austria, from 26 to 28 November 2008 ([www.lbs2008.org/](http://www.lbs2008.org/)). You are very welcome to join us at that meeting and you may also contact us in case you:

- have ideas for projects to be taken up
- want to set up a Project Group
- have a suggestion related to the book publication
- want to organize a workshop on use and user issues
- just want to be put on the Commission's mailing list

**Corné van Elzakker** | Chair | ICA Commission on Use and User Issues | *The Netherlands*

### Art and Cartography

[artcarto.wordpress.com/](http://artcarto.wordpress.com/)

Last summer, during the International Cartographic Conference in Moscow, the newly elected president of the ICA, William Cartwright, initiated a new working group on Art & Cartography. This working group aims to explore the artistic elements of cartography, to encourage better exchange of ideas and concepts between artists and cartographers, and to stimulate new forms of cartographic expression.

### Symposium on Art and Cartography in Vienna, Austria

The first activity this group sponsored was a symposium on Art and Cartography. William Cartwright, Georg Gartner (Vice-president of the ICA, and co-host of the Symposium) and Antje Lehn (professor at the Academy of Fine Art in Vienna and co-host of the Symposium) organized the event, which took place in Vienna, on February 1-2, 2008.



Artists Gabriele Woldan and Klaus Kramer outlining their space interpretation project | *Photography Mirjanka Lechthaler*

The two day symposium was quite intense, not leaving much time to enjoy the relaxing atmosphere of Viennese cafes. Indeed, it was a vibrant and stimulating multidisciplinary experience. About a hundred individuals from all over the world gathered to present a wide range of works rooted in disciplines as diverse as cartography, literature, visual art, conceptual art and new media. Paper sessions offered the opportunity to present academic research. One particular highlight was the talk given by Philippe Rekacewicz who analyzed some of the



Opening of the Art Exhibition, Academy of Fine Art, Vienna | *Photography Mirjanka Lechthaler*

artistic and political functions of cartographic practices based on examples of his own hand drafted maps. These beautiful and subversive maps were also presented in the poster session and some of them have been published recently in *Le monde diplomatique*.

Antje Lehn curated two art exhibits for the symposium. The first one took place in the imposing Academy of Fine Art, located in downtown Vienna. The installation by artist Ruth Watson from New Zealand was quite impressive. She reproduced the map created by Austrian cartographer Johannes Stabius in 1514 - the one that represents the world in the heart shape - by creating a huge map composed of salt on the floor of the Academy of Fine Art. The audience could walk up ladders and look at the map from different perspectives through binoculars. In the second exhibit, which took place in the highly contemporary *project Space Karlsplatz*, a dozen of artists and art students presented their creations in domains such as performance art, architecture and new media. The quality and the diversity of the works presented in these two exhibits illustrate the fascination maps currently generate in the contemporary art world.

This symposium gave us a unique opportunity to be exposed to some very interesting academic and artistic works and contributed to a better exchange between artists and cartographers. The future activities of the working group on Art & Cartography will seek to reinforce and develop these exchanges. If you would like more information about the Working Group, please visit our web site.

**Sébastien Caquard** | Co-chair | ICA Working Group on Art and Cartography | *Canada*

A sculpture on the top of TU Wien building, main venue of the Symposium | *Photography Mirjanka Lechthaler*





# reports cartographic meetings and events

## 2nd International Conference on Cartography and GIS

[www.datamap-bg.com/conference2008](http://www.datamap-bg.com/conference2008)

The 2nd International Conference on Cartography and GIS was held in Borovets, one of the finest winter resorts of Bulgaria, in January 21-24, 2008. It was organized under the auspices of the Rector of the University of Architecture, Civil Engineering and Geodesy, Assoc Prof Dr Penio Penev and took place at the time when Bulgaria celebrated the first anniversary of its EU membership. The aim of the Conference was to share the experience and exchange information about the latest achievements in cartography and GIS in the European Balkan Peninsula region, and also globally. The main Conference themes were:

- GIS Technologies and related disciplines
- Cartography and GIS in Education
- Early warning and crises management
- Internet cartography and Electronic atlases
- Planetary cartography
- Map design and production
- Cartographic visualization
- GIS for city traffic
- GPS Technologies
- Remote sensing technologies

These themes show how much our community and our users need cartography to succeed, especially in times of many recent natural and social instabilities. They also show how much all people, including politicians, scientists and businessmen, need SDI, GPS, GIS decisions and cartographic representations every day and in real time. These can be achieved with the support of specialists in different branches of Earth sciences.

During the Conference, the ICA Commission on Cartography and Children (led by Jose Jesus Reyes Nunez and Temenoujka Bandrova), the Commission on Planetary Cartography (led by Kira Shingareva) and the ICA Working Group on Cartography on Early Warning and Crises Management (CEWCM, led by Milan Konecny) were having their annual meetings.

A two-day *Seminar with EU Cooperation on Early Warning and Disaster / Crises Management* was organized under the auspices of his



Performance by the children folklore group during the Opening Ceremony | Photography David Wortley

Excellency Mr Martin Klepetko, Ambassador of the Czech Republic in Bulgaria and Prof Dr Milan Konecny, Chair of the Working Group on CEWCM and Past President of the ICA.

The Conference was supported by the Bulgarian Government and was organized with kind assistance of the Joint Research Center in Ispra, Italy (represented by Director Mr Alessandro Annoni) and EC DG Information Society, *ICT for Sustainable Growth* unit in Brussels (represented by Director Dr Márta Nagy-Rothengass). The international dimension of the meeting was further stressed by a close cooperation between Bulgarian and Czech universities, which provided support for the Local Organizing Committee. The organizers were delighted that many leading geoinformatics and cartographic companies, especially ESRI-Europe and Eurosense, attended and sponsored the event at a Gold Sponsor level.

The ICA supported and endorsed the Conference. Members of the ICA Executive Committee including Past President Milan Konecny and Vice President Georg Gartner, and Commission chairs, Kira Shingareva (Planetary Cartography), Jose Jesus Reyes Nunez and Temenoujka Bandrova (Cartography and Children), Patrick Wiegand (Past Chair Cartography and Children) and Ewa Krzywicka-Blum (Past Chair Gender and Cartography) were present.

The Conference attracted delegates from more than 30 countries. I wish all colleagues success at work, great discussions about challenging problems and interesting opportunities, and inspiring ideas for the future.

**Temenoujka Bandrova** | University of Architecture, Civil Engineering and Geodesy | Bulgaria

## Barbara Petchenik Award Ceremony

On March 20, 2008 in Doha Qatar, I had a privilege of presenting two awards to the winners of the 2007 edition of Barbara Petchenik Children Map Contest. The recipients were 4 year old Sama Salah Al Sayed receiving a Special Mention award for the youngest participant and 14 year old Yasmin Ahmed Ali receiving an Award in the 13 to 15 years category (see back page for her artwork), both from Qatar. Unfortunately Sama was not able to attend the ceremony, but her father represented her instead.

The active promotion of the Children Map Competition in the Middle East region begun in 2006 when I visited Dubai together with Ferjan Ormeling, then Secretary General and Treasurer of ICA. Following our visit, organization of the contest was passed to Ms Manal Ahmed Al Shamlan, Dubai GIS Center and Ms Maryam Abdullah Zainel, Center for GIS at Doha.

The ceremony in Doha was sponsored by the GIS Center of Dubai Municipality. Mr Eng Mohammed Abdulla Al Zaffin, Center's Director was personally present together with the local organiser Mr Eng Manaf Ahmed Al, Director of the Center for GIS at Doha Urban Planning and Development Authority.



Milan Konecny, Past President of ICA (middle right), delivers the award to Yasmin Ahmed Ali (right) with assistance of Mr Eng Mohammed Abdulla Al Zaffin (middle left), and Mr Eng Manaf Ahmed Al.

The winners received occasional diplomas prepared by Lucie Friedmannova, Laboratory on Geoformatics and Cartography, Masaryk University in Brno, and bags featuring ICA logo and containing some presents prepared by Temenoujka Bandrova, Co-chair of the ICA Commission on Cartography and Children. The girls also received from me a set of colour pencils together with special drawing paper and Ian Amos Commenius maps.

The ceremony was very well organized and attended by many young participants, Qatar GI community and Doha municipality representatives, as well as media. The event was later covered by many popular local newspapers, with one newspaper devoting a full page to the ceremony, including large images.

The presentation of awards was part of the Children Map Exhibition featuring children drawings from many countries of the Gulf region. The Exhibition was open to the public

Participants of the 2nd International Conference on Cartography and GIS in Borovets, Bulgaria



and the GIS Department in Dubai prepared a special CD-Rom containing children maps.

During the Exhibition it was announced that the ICA Commission on Cartography and Children is planning to organise one of their meetings at the 2009 Map Middle East Conference in Dubai.

**Milan Konecny** | Past President of ICA | Czech Republic

## GEO-Siberia 2008

ICA is not a newcomer to Siberia. In 1998, members of the ICA Executive Committee consisting of Michael Wood, then President of the ICA, Ferjan Örmeling, Secretary General and myself as Vice President, visited Novosibirsk to attend InterCarto event for the first time. The Conference, organized by Prof Dr Vladimir Tikunov and Prof Dr Dmitry Lisitsky, was well organized, but looking back many things have changed for better since then.

GEO-Siberia is probably one of the best GI events currently being offered in Russia. It is organized by a professional organization International Exhibition Centre *Siberian Fair* and SSGA, both taking advantage of the strong Russian economy and growing competition between foreign and domestic firms trying to establish themselves on the market. Leica Geosystems AG from Switzerland was the main sponsor of GEO-Siberia 2008, while other sponsors included Prin company from Moscow and Trimble, USA. The event attracted over 3,000 participants and around 100 companies from Russia, Germany, Switzerland, Czech Republic, Turkey, Egypt, Mongolia, Kazakhstan, and Ukraine took part in the exhibition.

GEO-Siberia follows the same model as the popular InterGeo conferences by opening their doors to companies and organisations representing all branches of GI. The Congress received the support of many government organizations and institutes, such as the Ministry of Education and Science of the Russian Federation, the Administration of Novosibirsk Region, the Federal Agency of Geodesy and Cartography of Russia (Roskartographia), the Federal Real Estate Cadastre Agency, the Siberian Branch of the Russian Academy of Sciences, as well as many international organizations including ICA, the German Cartographic Society e.V. (DGfK), ISPRS, FIG, the German Association for Geodesy, Geoinformation and Land Management (DVW), and the European Association of Geoscientists and Engineers (EAGE).

The Congress programme was divided into six main themes containing 18 technical sessions and 450 presentations. The topics of oral presentations varied and included creation of thematic maps for regional planning, cartographic generalization and use of maps

and GI in crises management. I was invited to give a welcome address on behalf of the ICA and a keynote speech entitled *GI Aspects in Crisis Management*.



Welcome address by Milan Konecny, Past President of ICA, at the Opening Ceremony of GEO-Siberia 2008, Novosibirsk, Russia

Within the Congress programme several plenary sessions and round tables were organized. One of them - *Problems of the International Integration in Science and Education Activity and Business* - provided a wonderful opportunity for guests from Australia, Czech Republic and Germany to share their experience with professors from SSGA regarding two-level training model leading to Bachelor's and Master's degrees. During the discussions, Prof Dr Alexander Karpik, Rector of SSGA, emphasized the need for having an integrated international educational system in geosciences and for considering the possibilities of joint development of training procedures and tutorials. However, according to the opinions of foreign participants, these problems cannot be easily solved without a detailed study of the Russian tertiary education system and a competence assessment of the Russian students.

Sibgeoinform (Roskartographia) organized a two-day scientific and technical conference on *Advanced Computer-Aided Technologies for Compilation, Updating and Monitoring of Digital Topographic Maps and Plans, Integrated GIS Environment, and GIS Design*. The participants agreed that one of the current key challenges is to complete the development phase of GLONASS, involving Roskartographia as an active stakeholder in its realization. The creation of Russian spatial data infrastructure, a concept which has already been developed by Roskartographia and approved by the Russian government, will provide the society with geodetic, cartographic and topographic information at a new level.

Several Russian higher education institutions took part in the Exhibition, including Siberian State Academy of Geodesy (SSGA), Moscow State University of Geodesy and Cartography (MIIGAik), Novosibirsk State University of Architecture and Civil Engineering, Siberian State Transport University and Tomsk Polytechnic University. For the first time the Exhibition was attended by the Intergeo Organizing Committee (Germany), led by its President Mr

Hagen Graeff and Vice President Prof Dr Guenter Schmitt.

One of the highlights of GEO-Siberia was a celebration of the 75th anniversary of SSGA, the second biggest university in Russia (after Moscow MIIGAik) which provides tertiary education in geodesy, photogrammetry, remote sensing, cartography, geoinformatics, economy and other important disciplines. The celebration was held at the Novosibirsk State Academic Opera and Ballet Theatre. The cultural program included a performance of children dancers that "lifted up the audience from their chairs!" A fitting high point of the event was an award ceremony involving Prof Dr Viktor Savinykh, former Vice Chancellor and current President of the Board of MIIGAik, who received Doctor Honoris Causa degree of SSGA.

Overall, the Congress delivered a solid scientific programme and was well organized by *Siberian Fair* and SSGA. Special thanks go to Vice Rector Prof Vladimir Seredovich and to Argina Novitskaya for their wonderful work.

**Milan Konecny** | Past President of ICA | Czech Republic

## Doctor Honoris Causa for Prof Milan Konecny

The Academic Council of the University of Architecture, Civil Engineering and Geodesy in Sofia, Bulgaria, took a decision on March 12th, 2008 to confer on Dr Milan Konecny, Associate Professor at the Masaryk University in Brno, Czech Republic, the degree of Doctor Honoris Causa of The University of Architecture, Civil Engineering and Geodesy (UACEG), Sofia for his contribution to the development of Cartography and Geo-Information Science, for his fruitful cooperation with the University of Architecture, Civil Engineering and Geodesy, for his active role in promoting and raising the level of education in cartography in Bulgaria, as well as for his efforts in the worldwide recognition of Bulgarian cartography.

**Temenujka Bandrova** | University of Architecture, Civil Engineering and Geodesy | Bulgaria

Prof Milan Konecny (centre) with members of the Department of Photogrammetry and Cartography, UACEG, Sofia, Bulgaria





# calendar

## june 2008

23-27: IV Congreso de la Ciencia Cartografía y XI Semana Nacional de Cartografía | Buenos Aires | Argentina | [www.agrimensores.org.ar/ivccc.htm](http://www.agrimensores.org.ar/ivccc.htm)  
24-26: Intercarto – Intergis 14 | *Sustainable Development of Territories: GIS Theory and Practice* | Saratov | Russia | [159.226.132.203/intercarto14](http://159.226.132.203/intercarto14)  
26-27: 3rd ICA Workshop on Digital Approaches to Cartographic Heritage | Barcelona | Spain | [web.auth.gr/xeec/ICA-Heritage/Commission/3rd\\_Workshop/Barcelona.htm](http://web.auth.gr/xeec/ICA-Heritage/Commission/3rd_Workshop/Barcelona.htm)  
29-01 July: Intercarto – Intergis 14 | *Sustainable Development of Territories: GIS Theory and Practice* | Urumqi-Lhasa | China | [159.226.132.203/intercarto14](http://159.226.132.203/intercarto14)

## august

06-09: 3rd Indonesian GeoInformation Technology Exhibition | Jakarta | Indonesia | [www.geospatial-exh.com](http://www.geospatial-exh.com)  
17-22: ICOS 2008 | *Toponymy and the Ontology of Cartography* | Toronto | Canada | [icos2008.yorku.ca](http://icos2008.yorku.ca)  
18-20: Map Asia 2008: 7th Annual International Conference and Exhibition on Geographical Information Technology and Applications | Kuala Lumpur | Malaysia | [www.mapasia.org](http://www.mapasia.org)  
25-26: Map Africa 2008: 3rd Annual African Conference and Exhibition on Geospatial Information, Technology and Applications | Cape Town | South Africa | [mapafrica.gisdevelopment.net](http://mapafrica.gisdevelopment.net)

## september

01-03: GeoCart'2008 National Cartographic Conference | Auckland | New Zealand | [www.cartography.org.nz/geocart2008](http://www.cartography.org.nz/geocart2008)  
03-05: Mapping 2008: Making the Most of Maps Workshop | Newport Pagnell | UK | [www.cartography.org.uk](http://www.cartography.org.uk)  
08-11: AutoCarto 2008 | Shepherdstown | West Virginia | USA | [www.cartogis.org/autocarto](http://www.cartogis.org/autocarto)  
09-13: UN/ICA Week of Geographical Names | Timisoara | Romania | [www.gis.univie.ac.at/karto/project/cnra](http://www.gis.univie.ac.at/karto/project/cnra)  
10-11: 3rd International Joint Workshop on Ubiquitous, Pervasive and Internet Mapping | Shepherdstown | West Virginia | USA | [www.ubimap.net/upimap2008](http://www.ubimap.net/upimap2008)  
10-12: Shifting Boundaries: Cartography in the 19th and 20th centuries | Portsmouth | UK | [icahistcarto.org](http://icahistcarto.org)  
23: GIScience 2008 | *GeoSpatial Visual Analytics Workshop* | Park City | Utah | USA | [geoanalytics.net/GeoVisualAnalytics08](http://geoanalytics.net/GeoVisualAnalytics08)

## november

04-06: 28th INCA International Congress | *Collaborative Mapping and Space Technology* | Gandhinagar | Gujarat | India | [www.cmap.org.in](http://www.cmap.org.in)  
26-28: 5th International Symposium on LBS and TeleCartography | Salzburg | Austria | [www.lbs2008.org](http://www.lbs2008.org)

# ica affiliate members

The following organisations support the International Cartographic Association:

Bundesamt für Kartographie und Geodäsie | Germany | [www.bkg.bund.de](http://www.bkg.bund.de)  
Attn: Prof Dr D Grünreich, Director | [dietmar.gruenreich@bkg.bund.de](mailto:dietmar.gruenreich@bkg.bund.de)

Centro Argentino de Cartografía | Argentina | [www.elagrimensor.com.ar/centrodecartografia](http://www.elagrimensor.com.ar/centrodecartografia)  
Attn: Prof Carmen Alicia Rey, President | [centro.de.cartografia@gmail.com](mailto:centro.de.cartografia@gmail.com)

Centro Cartográfica y Fotográfico (CEFAF) | Spain | [www.ejercitodelaire.mde.es](http://www.ejercitodelaire.mde.es)  
[amatmil@ea.mde.es](mailto:amatmil@ea.mde.es)

Dubai Municipality | United Arab Emirates | [www.dm.gov.ae](http://www.dm.gov.ae)

East View Cartographic | United States of America | [www.cartographic.com](http://www.cartographic.com)  
Attn: Mike Candy | [mcandy@cartographic.com](mailto:mcandy@cartographic.com)

Eko-Graf Cartographic Publishing House | Poland | [www.ekograf.pl](http://www.ekograf.pl)  
Attn: Mr Roman Janusiewicz

ESRI | United States of America | [www.esri.com](http://www.esri.com)  
Attn: Mark Cygan | [mcygan@esri.com](mailto:mcygan@esri.com)

Geographical Survey Institute | Japan | [www.gsi.go.jp](http://www.gsi.go.jp)  
[sawa@gsi.go.jp](mailto:sawa@gsi.go.jp)

Indian National Cartographic Association | India | [www.incaindia.org](http://www.incaindia.org)  
Attn: Shri KC Rout, Secretary General | [routkc@yahoo.com](mailto:routkc@yahoo.com)

Institut Cartografic de Catalunya | Spain | [www.icc.es](http://www.icc.es)  
Attn: Jaume Miranda i Canals, Director | [miranda@icc.es](mailto:miranda@icc.es)

Institut Géographique National | France | [www.ign.fr](http://www.ign.fr)  
Attn: Mr Jean-Philippe Lagrange, Director | [jean-philippe.lagrange@ign.fr](mailto:jean-philippe.lagrange@ign.fr)

Instituto Geográfico Nacional de España | Spain | [www.fomento.es](http://www.fomento.es)  
Attn: Mr Albert Serreno, Director | [smas@mfom.es](mailto:smas@mfom.es)

Intergraph Geospatial Data Collection & Analysis | United States of America | [www.intergraph.com/gdca](http://www.intergraph.com/gdca)  
[florence.smith@intergraph.com](mailto:florence.smith@intergraph.com)

## december 2008

04-05: Archiving in Digital Cartography and Geoinformation | Berlin | Germany | [www.codata-germany.org/Archiving\\_2008](http://www.codata-germany.org/Archiving_2008)

International Institute for Geo-Information Science and Earth Observation (ITC) | The Netherlands | [www.itc.nl](http://www.itc.nl)  
Attn: Corné van Elzakker | [elzakker@itc.nl](mailto:elzakker@itc.nl)

Moscow State University for Geodesy and Cartography | Russia | [www.migaik.ru](http://www.migaik.ru)  
Attn: Professor Malinnikov, Rector | [lgm@miigaik.ru](mailto:lgm@miigaik.ru)

National Hydrographic Office | India | [www.hydrobharat.nic.in](http://www.hydrobharat.nic.in)  
Attn: BR Rao, Chief Hydrographer to the Government of India | [inho@dataone.in](mailto:inho@dataone.in) | [nho@sancharnet.in](mailto:nho@sancharnet.in)

Navigation Technologies (Navteq) | The Netherlands | [www.navteq.com](http://www.navteq.com)  
Attn: Dr KW Wevers | [kees.wevers@navteq.com](mailto:kees.wevers@navteq.com)

Navionics S.p.A. | Italy | [www.navionics.com](http://www.navionics.com)  
Attn: Cdr (ret) Guglielmo Mammucari | [mammucari@navionics.it](mailto:mammucari@navionics.it)

Ordnance Survey | United Kingdom | [www.ordnancesurvey.co.uk](http://www.ordnancesurvey.co.uk)  
Attn: Vanessa Lawrence, Director General | [vanessa.lawrence@ordnancesurvey.co.uk](mailto:vanessa.lawrence@ordnancesurvey.co.uk)

Polskie Przedsiębiorstwo Wydawnictw Kartograficznych | Poland | [www.ppwk.pl](http://www.ppwk.pl)  
Attn: Dr Beata Konopska | [b.konopska@ppwk.pl](mailto:b.konopska@ppwk.pl)

Rectas (Regional Centre for Training in Aerospace Surveys) | Nigeria | [www.rectas.org](http://www.rectas.org)  
Attn: Dr Olajide Kufoniyi, Executive Director | [info@rectas.org](mailto:info@rectas.org)

Regional Centre for Mapping of Resources for Development (RCMRD) | Kenya | [www.rectas.org](http://www.rectas.org)  
Attn: Dr Wilbur K Ottichilo, Director General | [rcmrd@rcmrd.org](mailto:rcmrd@rcmrd.org)

Star-APIC | Belgium | [www.star.be](http://www.star.be)  
Attn: Paul Duré, Business Unit Manager Publishing Solutions | [paul.dure@star.be](mailto:paul.dure@star.be)

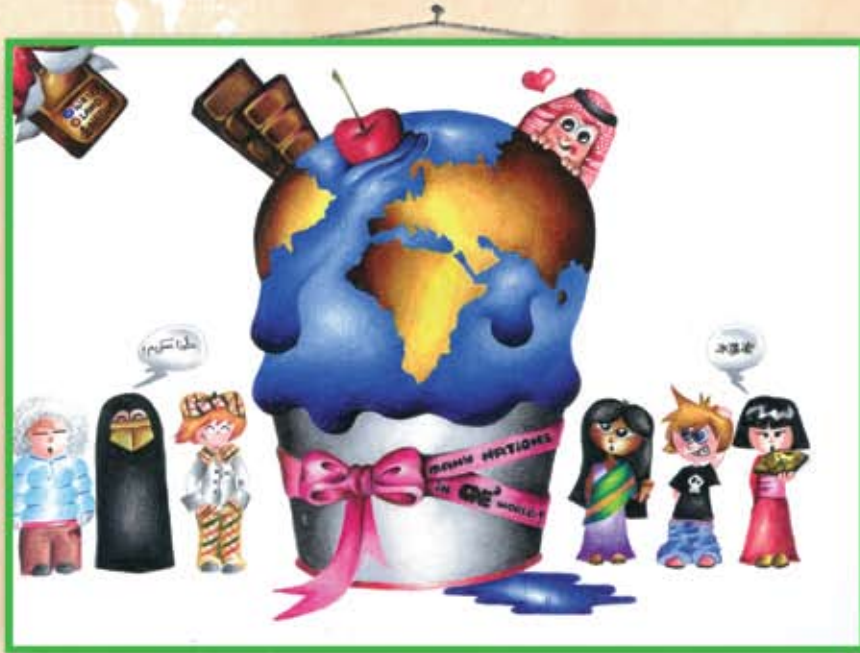
Union of Chambers of Turkish Engineers and Architects, Chamber of Surveying and Cadastre Engineers (UCTEA-CSCE) | Turkey | [www.hkmo.org.tr](http://www.hkmo.org.tr)  
Attn: Prof Dr Dogan Uçar, Head of the Cartography Standing Commission | [hkmo@hkmo.org.tr](mailto:hkmo@hkmo.org.tr)

University of Architecture, Civil Engineering and Geodesy, Faculty of Geodesy | Bulgaria | [www.uacg.bg](http://www.uacg.bg)  
Attn: AssocProf Dr S Gospodinov, Dean

University of Balamand | Lebanon | [www.balamand.edu.lb/english/GIS.asp](http://www.balamand.edu.lb/english/GIS.asp)  
Attn: Prof. Oussama Jadayel, GIS Center Academic Director | [info@balamand.edu.lb](mailto:info@balamand.edu.lb)

ICA welcomes new Affiliate Members; for more information, please contact David Fairbairn | Secretary General & Treasurer | ICA | [dave.fairbairn@newcastle.ac.uk](mailto:dave.fairbairn@newcastle.ac.uk)

# childrens' map gallery 2007 winners



Bitra Porrang | 8 | *Untitled* | Adl: Tehran  
| Iran

Yasmin Ahmed Ali | 14 | *Untitled* | - |  
Qatar

Rita Galkina | 15 | *Mr Humankind or the  
faith in world cosmopolism* | Moscow |  
Russia

Lukas Kareiva | 7 | *A lot of countries in  
one world* | Darius ir Gireno Vid. Mokykla:  
Radviliškis | Lithuania

Joanna Ivanova Ivanova | 12 | *The world peace  
in childrens' eyes* | Drawing School Specter: Sofia  
| Bulgaria

