



# ICA News

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International Cartographic Association

Association Cartographique Internationale



# ICA Executive Committee

## ICA Executive Committee

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*The World Is Just Like a Chess (CN1), Winner of the Children Map competition, category 9 -12 years; Biaoyunke Zhang (11); Changzhou (China)*

## Editorial

Dear Colleagues

The ICA can proudly register another highly successful International Cartographic Conference in its list of events. Combined with the warm hospitality of the Spanish people, the northern city of A Coruna was the perfect location for a good mixture of social and scientific events. This issue largely reflects on the activities that took place during the week of the 11th-15th July, including a highly attended pre-Conference workshop of three ICA commissions in Madrid.

Aside from the statistics of participants, presentations, assistance to commercial exhibitions, and special sessions like the one headed by the ESA astronaut, Spanish Pedro Duque, this issue contains extracts of the inaugural address by the Chair of the Local Organizing Committee, Ramon Lorenzo Martinez, and the ICA President, Milan Konecny. Our colleague Chris Board makes some personal reflections on what has been the 3rd ICA Spanish Conference, the first Extraordinary ICA Assembly. The main topic of the Assembly was to vote whether or not the subtitle "ICA International Association for Cartography and Geographic Information" was to be added to the current name. Countries with the right to vote rejected this motion. Other topics discussed during the Assembly included the approval of three new working groups, changes of Chairs for two commissions, and the approval of Chile as the host nation of the 24th ICC in 2009.

This issue also reports on recent activities of the Executive Committee members and Commissions, with an interesting report on the steps taken by the Nigerian Cartographic Association to combat map illiteracy.

Special thanks to Lorenz Hurni, David Fraser, Bengt Rystedt, László Zentai and Jesus Reyes for responding to my 'last minute' request of pictures of the Conference, and to Ferjan Ormeling for his timely provision of information on awards conferred at the conference.

Congratulations to the two awardees of the prestigious Carl Mannerfelt gold medal, Ernst Spiess (Switzerland) and David Rhind (United Kingdom). Outstanding contribution to the ICA was also recognised in the form of Honorary Fellowships for Pinhas Yoeli (Israel), Wanarat Thothong (Thailand), Michael Wood (UK), José-Luis Colomer (Spain) and Alan MacEachren (USA), and Special Recognition to Ramon Lorenzo Martinez and the late David Woodward.

At the opening ceremony, the ICA president commended the quality of this Newsletter and the editorial work that has been undertaken over the last six years. I shall say that the quality of the Newsletter is purely the reflection of the continuous support I have had from you, ICA members, providing interesting contributions after each of my biannual 'calls'. Thank you for helping to raise the standards of the Newsletter. Let's keep the good work flowing for another term.

Best wishes of success and good health for 2006!

Graciela Metternicht  
Editor, ICA Newsletter.

## Obituary

### In Memory of Dr. Jacques Sipkes

On September 15, unexpectedly passed away Dr. Jacques Sipkes, a dear friend, participant and propagator of ICA. Jacques (Jacobus Hendrik Albert) Sipkes was born 7 April 1946, had a candidate degree in Economics, candidate and doctoral degrees in Human Geography and post-doctoral in GIS and Remote Sensing. Jacques worked in a number of countries in Asia, Africa and North America in fields of GIS/RS and Geomatics. At present he was a contributing editor with GIM International. Jacques assisted in the implementation of the new ICA publishing policy, helping in a remarkable way to start ICA's regular column in the professional magazine GIM International.

Milan Konecny,  
ICA President



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# President's Report

Dear Colleagues and friends, Dear family of ICA,

Let me share with you some experiences from the last period of our activity. The most dominant event was ICC 2005, held in A Coruna, Spain. With distance of several months I can appreciate the high influence this conference had on our community and as well as other GI and not GI communities worldwide. The tremendous work of Ramon Lorenzo and his team made cartography remarkably visible amongst others world scientific events. One of the most appreciated details highlighted by people is the fact that all papers submitted were carefully evaluated. My thanks are again going to the commission chairs and co-chairs, as well as the Executive Committee members for their careful evaluation and selection of papers. It was also the first time in ICA's history that we held a General Assembly within a space of two years, mainly to discuss an unfinished business of Durban, that is the addition of a subtitle to the ICA name. However, the voting of national delegates decided that our members prefer to keep traditional brand of International Cartographic Association.

Shortly before the ICC, I was asked by our Colombian colleagues Mrs. Dora Ines Rey and Mr. Alberto Boada to cover on behalf of ICA a very important event, the Week on Geoinformatics 2005 (report on different place of this issue). Travelling back from Bogota, I participated in the GSDI Think tank VI "Embracing Cultural Differences in GSDI" organized by Dave Coleman from University of New Brunswick (Canada), at the prestigious MIT (Massachusetts, USA). The event highlighted that social and economical aspects of the implementation of GSDI are as important as technological ones. The role of cartography in GSDI world was also discussed.

I returned to USA in August, responding to an invitation of ESRI's President Jack Dangermond. I had the great honour of launching the new common book of ICA and ESRI entitled *"Children Map the World: Selections from the Barbara Petchenik Children's World Map Competition"*, in front of 12000 delegates participating at Annual ESRI conference. That day I was really very proud of ICA, seeing the great interest created by the book, and the unexpectedly big commercial success of the book worldwide. I like to acknowledge here that part of this achievement results from the long term work of the past ICA president Bengt Rystedt, as it was during his presidency that the idea of the book was formulated, in cooperation with our Secretary General Ferjan Ormeling and the chairman of the Publication Commission, Dr Robert Mc Master. The book is also the result of hard work by the group of authors and members of the ICA Commission on Cartography and Children, led by Patrick Wiegand from the United Kingdom. Inspired by this success I discussed another time limited new common project with ESRI for using children drawings in preparation of screen savers and as well as highlighting activities of ICA. In future ICA will also look for possibilities to start similar projects with other affiliate members, if they show interest about it.

At the beginning of September I was also active in my country trying to highlight Cartography and Geoinformatics. I gave three speeches in two days at the Conference devoted to Geographic aspects of Central Europe talking about cartographic and spatial data sources, in a common cartographic conference of the Czech and Slovak Cartographic Societies, as well as the EnviroInfo conference attended by representatives of the Environmental European Agency. I was participating in the organization of the event, and led the GIS and Cartography oriented session.

On September 19, I participated in the International CODATA Symposium on Multimedia in Science and Technology, MIST 2005, in Berlin organized by Nahum Gershon and Horst Kremers, where I gave

a speech entitled "Maps and multimedia". I feel that deeper cooperation with CODATA organization should be very profitable for ICA. Many programs of CODATA are concentrated on data handling and interpretation (but not only in geo fields) and we have a lot to share with them.

On mid of September came a very sad message. A dear friend and propagator of ICA, Dr. Jacques Sipkes from GIM International, unexpectedly passed away (see another message in this issue). At the beginning of October I visited two places in Germany. First was Dusseldorf where I attended for the first time the famous InterGeo conference and exhibition. I was really surprised by the excellent organization of the event and huge amount of participants, especially in the exhibition. The key organizer of the event, Dipl.-Ing. Hagen Graeff, mentioned that these events give equal chances to all geo- disciplines to participate, so cartography is visible enough. I used the time in Dusseldorf for discussions with the president of the German Cartographic Society, Dr. Peter Aschenberger; Horst Kremers, Gottfried Konecny and many others cartographers. At the end of my, let me say, "German mission" I visited the University of Bundeswehr in Munich, and gave an invited speech on "The Challenges to Cartography in the SDI World". I want to highlight the quality of the teaching of GI disciplines at this university, led by Prof. Wolfgang Reinhardt.

On October 26 I was again invited by Jack Dangermond and Lew Nowogrodski to give a keynote speech at the jubilee 20th EUC (European ESRI Users conference). I gave an invited keynote speech on Cartography and SDI World: the role, place and potentials. The topic was found of interest, as several delegates requested copies of the speech. Very pleasant for me was also meeting with a legend of GIS, Dr. Roger Tomlinson from Canada.

From Poland I flew to Vilnius, Lithuania, for a great meeting organized by the Commission on Theoretical Cartography. The topic was Cartography and Socio-Cultural Research. The conference was accompanied by an excellent discussion and sharing of knowledge. Cartography has a lot to say to the social and cultural aspects, as it is discussed also within SDI community.

It is a constant request to ICA to inform its members about important political documents that could influence the development of Cartography, highlighting the orientation and potential future role of cartographers in great projects in the GI and ICT communities. I recognized one of such documents, which I am personally appreciating in the same way I did with the one formulated by US president Clinton on the creation of NSDI in 2004. New ideas are coming from the European Union, more concretely from U.K. A new key document of the EU entitled "2010 – A European Information Society for growth and employment" (COM 2005, 229 final, Communication from the Commission to the Council, the European Parliament, The European Economic and Social Committee and the Committee of the Regions, Brussels, 31 May 2005) mentions the Digital Strategy of the Cabinet Office of Prime Minister Tony Blair Strategy's Unit. The document contains a definition of the OS MasterMap: a definitive digital map of Great Britain, providing detailed geographic information for a wide range of business and government purposes. The OS MasterMap underpins a huge range of commercial services used by millions of people every day. I would like to congratulate the general manager of the Ordnance Survey, Vanessa Lawrence, for an excellent job that will influence British, European as well as the World Cartography, and its position in the development of the Information/Knowledge Societies in our planet. We, as ICA have also to devote more attention to other successful European projects and legislation initiatives such as the



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GEMS and INSPIRE projects, offering our members tremendous chances to be part of the game in many places over the World.

Now I am in Caracas (Venezuela) for the PAIGH XVIII General Assembly and XX meeting of Consultation on Cartography. I am here to follow cooperation with this ambitious organization, which begun during my visit of PAIGH last year, concurrently with the Executive Committee meeting held early this year in Mexico City, where a MoU between ICA and PAIGH was signed. I hope to give you the positive information about this event in the next ICA News issue.

Let me at the end of this report to wish you all a successful year 2006. Good luck for our common work.

*Milan Konecny*  
*President, ICA*



*Presentation of the Book "Children Map the World: Selections from the Barbara Petchenik Children's World Map Competition" at the Annual ESRI Conference (USA). Robert Mc Master, Milan Konecny, Jack Dangermond and wife.*

## XXII International Cartographic Conference

After four years of arduous work by the Local Organising Committee, supported by the Spanish Society of Cartography, Photogrammetry and Remote Sensing, under the honorary presidency of His Royal Highness the Prince of Asturias, the 22nd International Cartographic Conference was held in A Coruña on the week of the 11-15 July 2005, with a record success of participation. 1600 participants from 98 countries attended the event, which in addition to oral and poster presentations included an international map exhibition, the Barbara Petchnick Children's map competition, a commercial exhibition, an orienteering event, commissions' workshops and meetings; and plentiful of social events and excursions. The following pages portray the conference highlights.

### Opening Ceremony

The opening ceremony of the 22nd International Cartographic Conference took place on Monday 11th July 2005, at the Palacio de Congresos with participations from the undersecretary Minister of Development, the Mayor of A Coruña, the president of the Galician Xunta, ICA President and the Chair of the Local Organizing committee. The ceremony was brighten up by the Xacarandaina dancing group,

ending with the official opening of the International Map exhibition. Extracts of the speeches given by ICA President, Milan Konecny and the Chair of the Local Organizing Committee, Ramon Lorenzo Martinez, are reproduced hereafter.

### Address by Ramon Lorenzo Martinez, Conference Director and ICA Vice-President

..."The 22nd International Cartographic Conference begins at a unique moment because of the public's current interest in mapping and geographical sciences. Never before have maps and territorial images had the huge presence they have attained today all around the world, and especially among young people. We are witnessing the great utopia of Digital Earth, and what is more important, we are making it easily and immediately available to the whole of society.

Special mention must be made of the growing interest among the politicians of most countries in the need to establish infrastructure construction policies in their territories in order to conserve their environment and natural resources through decisions based on a detailed knowledge of the territory, facilitated by the production of precise, updated maps and geographical information at their cartographic institutes or agencies.

Specific marine cartography topics have been incorporated into the programme because of their unquestionable value, not just as support for navigation and maritime transportation, but also in determining maritime safety procedures in coastal areas and in preventing and monitoring crisis situations created by accidents at sea, particularly in vessels carrying pollutants or hazardous materials.

Without question, mapping and geographic information are the basic pillars for understanding the reality of what happens on the surface of our Planet and the changes that occur in it with the passage of time.

Because of this, the International Cartographic Association, as the world organization and authority in these areas, has directed its efforts to working with international organizations on the prevention and mitigation of the growing risk of natural disasters, rapid environmental changes such as climate warming and its consequences, deforestation, desertification and soil degradation, depletion of the ozone layer, acid rain and the reduction of biological diversity. All these affect the world population's quality of life and even the minimum requirements needed to ensure the survival of human beings in not a few areas of the Planet".

### Address by Milan Konecny, President of the ICA

..."ICA is a globally operating non-political and non-global organization which is doing its best to deal with global problems or rather to help to solve those problems. As you probably know we have more than 20 commissions and working groups, which are organizing discussions and efforts regarding research frontier topics and responding to the research challenges of the contemporary World. The activities of commissions and working groups are basic elements of all ICA activities. Allow me to thank very much all commissions and WG chairs and co-chairs for their enthusiastic work, efforts, and the commitment of time and very often their own money in the activities of our organization.

Let me also appreciate our affiliate members and sponsors who are so important in our activities and who amongst other things are helping us to bring young, talented cartographers from economically weaker countries here, to be with us and develop their talents.

In ICC in Durban ICA begun Joint Board activities with its sister societies. After some uncertainties and doubts about the way to

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cooperate without a non effective administrative organization, we found together a model of exchange of information and knowledge in a common effort to solve situations like early warning or risk management. The main ideas formulated by ICA have been accepted by almost all the GI oriented organizations (except GSDI). It is to create a community dealing with geographic data, information and knowledge visible on the global level (e.g. helping the United Nations), but also on regional and local levels.

ICA is prepared to co-operate with every sister organization to solve the common problems of the contemporary World but at the same time to keep its sovereignty, specific atmosphere and unique ICA flavour. ICA is an organization that in 4 years will celebrate 50 years of existence. I am happy that together with us are today all, let me say, living former presidents of ICA: Joel Morrison, Fraser Taylor, Michael Wood and my past president very much supporting all my activities, Bengt Rystedt. I would like to ask you to applaud all these gentlemen mentioned who did their best for our organization in the past.

When I started my presidential period I promised to do my best for the visibility of ICA, to start inside reforms in our organization and do our work more effective. Supported by Executive Committee members, commission and WG chairs and last but not least many national delegates, ICA is more visible now in world famous journals such as GIM International for which we are producing an ICA Column for every issue, but as well as in GIS Development journal, Geo-Informatics journal and Geoconnection.

The Executive Committee decided yesterday to start again publicizing the "International Yearbook of Cartography". We can be also proud for new books that have been publicized in last two years, especially the bestseller of Mike Peterson and his colleagues about Maps and the Internet, and Jason Dyke's bestseller about Geovisualization.

Last but not least I want to highlight the work done for us by Graciela Metternicht, Editor of ICA News. In comparison with the past, ICA News is a very magnetic journal with high readers interest and wide influence. The high quality of ICA News helps to recognize also from outside the high quality of our results and pushes up interest in our organization, our ICA.

Following our Strategic Plan, we are progressively more active in many global oriented activities of U.N. especially those directed at avoiding risk situations for people and nature or those creating mechanisms to help people in crises management situations. After active participation in the World Summit for Sustainable Development in Johannesburg in 2002, ICA participated in the Early Warning conference in Bonn, activities of UNESCO, Club of Rome, FAO and the European Union, especially in Global Dialogue and the Marshall Plan intending to help developing countries and to avoid problems such as a 'digital divide'. This was the reason we started a WG on Mapping for Crisis Management and intensively participate with the UN Outer Space Division, especially in the field of Global Navigation and Satellite Systems (together with ISPRS, FIG and IAG), which is harmonizing existing systems like NAVSTAR and Glonass with the new coming system of EU Galileo. ICA was asked for coordinating these activities on the global level. As you probably know we also signed a MoU with United Nations that follows our previous MoU with IHO and a future one which will be signed at the time of this conference with GISIG. We are supporting activities of the Global Mapping, Digital Earth, GISD and GSDI and as well as efforts of the U.N. Cartographic unit. We are trying to act regionally through the ICA commission Mapping Africa for

Africa and investigating carefully the situation and possibilities in Central and South America.

ICA is also very carefully looking for development in SDI. We feel we have a 'licence' to talk about this topic because first non-computer SDIs have been created by Abraham Ortelius and Gerhard Mercator who in their world famous atlases collected all information about the known world at the end of the 16th century according to the same scales and legends. I often say: Where SDI finishes, cartography begins, and by saying so I want to enhance the fact that after solving the very complicated problems with data availability and access under certain legal conditions (e.g. INSPIRE project), users, customers and let me say wide community will appreciate information coming in visualized form, understandable, clear and true. I am glad to say that also in this area the cartographic profile is dramatically growing and we will react to this in one of the specialized sessions.

ICA is also looking for people accepting maps as very nice art and cultural products and as one of the rare, may be the only, organization dealing with problems of cartographic education and maps and atlases for children. In the first case, the ICA Executive Committee and especially Bill Cartwright are discussing and supporting development of Art in Cartography as well as ethical aspects of cartography. In the second case we have excellent results of the Commission for children atlases and maps and we have the famous, still getting more popular Barbara Petchenik award.

Going back to the research aspects of our activities I have a difficult role to name at least several commissions of the ICA who are something like flag-ships of the ICA. We have at least three leaders on the world scene in their fields: Commission on Visualization and Virtual Environments, Commission on the Maps on Internet, and Commission on Generalization and Multiple Representation. But we have also commission supporting important processes in the world helping to cartographers to be easily part of IT community, such as the Commission on Cartographic Standards (Moellering), Ubiquitous Mapping (Morita), Commission on Planetary Cartography (Shingreva) and Commission on Marine Cartography (Furness). The results of all mentioned and many not mentioned commissions will be part of the program of this conference.

It will happen for first time in the existence of ICA that Executive Committee decided to call for an extra General Assembly. Reacting to the complex discussions held in ICC 2003 in Durban we are coming with an offer to keep the name of the organization as an ICA and add a subtitle in English or French, for better explaining our activities and efforts: The International Association for Cartography and Geographic Information. I have no doubts about another 'storm' of discussions about this topic, but the chance to democratically and openly discuss this eventual change is on the table. Please contact your national delegates and discuss your opinion with them.

Coming to the end, I would like to promise to you also on behalf of the Executive Committee that we will not stop the efforts we started with your mandate and will step by step enhance the position, influence and power of our association. We are a proud, visible and strong organization which would like to act locally, regionally and globally and help its members to be on the research frontier of world science, to be able to inform its members about best practices and to win projects and tenders in all continents but as well as to help to solve all global problems of sustainable development: economical, ecological, social, technology development, cultural and ethical. Lets continue together in these efforts for a bright future of our association".

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## ICA Awards

### Carl Mannerfelt Gold Medal

This medal is the highest award of the ICA. It recognises excellence in scholarship and research in Cartography and GI Science. Recipients of this award at the 22nd ICC were:

**ERNST SPIESS**, former head of the Institute of Cartography at the Swiss Federal Institute of Technology (ETH) in Zurich, Switzerland, was a student of Eduard Imhof. A chartered surveyor, he was a personal assistant to Professor Imhof, worked in the topography and photogrammetry section of the Swiss Federal Office of Topography in Berne and succeeded Professor Imhof on the faculty at ETH, where he remained until his retirement in 1996.

Ernst Spiess was the founding Chair of the ICA Commission on Cartographic Technologies and was awarded the ICA Honorary Fellowship in 1995. He is an Honorary Member of the Swiss Society of Cartography which he served twice as president, as well as president of the organizing committee of the international congress of cartography in Interlaken in 1996. He was also president of the Swiss Society of Photogrammetry. He has represented Switzerland at UN Congresses on geographic names and was member of the German-Speaking Commission on Geographic Names. He was a collaborator of the Schweizer Mittelschulatlant and has been and still is editor-in-chief of the new Schweizer Weltatlas, which was awarded the ICA prize in 1997. The adaptation and extension of Bertin's "Graphical Semiology" to modern thematic cartography is one of his most important contributions.

For an outstanding career in cartography that has included contributions in topographic mapping, atlas production, technological advancement, and as an effective teacher and researcher, the International Cartographic Association awards Professor Ernst Spiess its highest honour, the **Carl Mannerfelt Gold Medal**.

**PROFESSOR DAVID RHIND**, Vice Chancellor at City University in London, occupies a unique position in the world of cartography and geographic information. He was the first academic to become the Director General of Ordnance Survey of Britain, where he was instrumental in replacing analogue cartography with digital, which served as an inspiration for other countries as well as other entities within Britain. He is a Fellow of the Royal Society (Britain's National Academy of Sciences) and he is an Honorary Fellow of the British Academy (Britain's National Academy of Social Sciences and Humanities). Has received the CBE award from the Queen and several honorary doctorates for his work as a geographer and cartographer. He remains active in research and publishing and is the author (with three colleagues) of one of the world's best-selling textbooks in the field, *Geographic Information Systems and Science*.

A former Vice President of ICA, Professor Rhind is well known internationally as well as within Britain and has served on numerous boards and committees, but he is also a keen thinker within the field, in recent years concentrating on the position and role of cartography in the Information (or Knowledge-Based) Society, especially in the topics of self financing, financial models and the harmonization of the GI and IT fields.

For his outstanding contributions to cartography and geographic information systems and his expansive role in the broader context of the field, for his productive publication record, and his seminal thinking within the field, the International Cartographic Association awards Vice Chancellor David Rhind its highest honours, the **Carl Mannerfelt Gold Medal**.

## Honorary Fellowships

These fellowships are awarded to recipients who have made an outstanding contribution to the ICA. The ICC 2005 awardees were:

**JOSE-LUIS COLOMER ALBERICH** has had a brilliant scientific and professional career in the field of cartography and geographic information sciences to which he has dedicated himself for 30 years. His important contributions to Catalanian, Spanish and European cartography have merited praise and recognition not only from those in Spain but broadly in the European Union. He has been fully involved in the growth and consolidation of the Cartographic Institute of Catalonia as a mapping institution using leading edge technology.

Mr. Colomer has shown dedication to the cartography and geographic information through his position as Technical Director of the prestigious Catalanian Cartographic Institute for the past 24 years; as university professor, imparting knowledge in the Autonomous University of Barcelona; and as a researcher, computer systems manager, and leader of the Remote Sensing Project at the Computer Centre of the Technical University of Catalonia.

For his strong career and his service to ICA as President of the Scientific Committee of the 27th International Cartographic Conference in 1995, the International Cartographic Association awards Jose-Luis Colomer Alberich its **Honorary Fellowship**.

**ALAN MACEACHREN**, Professor of Geography and Director of the GeoVISTA Center at Penn State University, is widely known as an outstanding cartographer of the new era. He is admired for his academic and technical knowledge and skills and as someone who has been both pioneer and activist in the advancement of cartography, especially within the broad area of visualization. He has been a leading missionary for our subject in the wider field of modern science, and much of his research and outreach has linked to his role in ICA as Chair of its Commission on Visualization, now the Commission on Visualization and Virtual Environments. Under his leadership, the Commission has published special issues of *Computers and Geosciences and Cartography and Geographic Information Science*, and a Web supplement to the *International Journal of Geographic Information Science* special issue entitled *Visualization for Exploration of Spatial Data*. The Commission has conducted numerous workshops and meetings and has inspired work on the part of both Commission members and others interested in visualization and virtual environments.

For his outstanding contributions to cartography and especially his superb leadership of the ICA Commission on Visualization and Virtual Environments, the International Cartographic Association awards Alan MacEachren its **Honorary Fellowship**.

**WANARAT THOTHONG**, head of photogrammetry of the Department of Land Development of the Ministry of Agriculture of Thailand has played an important role in supporting Cartography and the ICA in Southeast Asia over the last 20 years. She has actively participated in various UN meetings that have been held in its Southeast Asia headquarters and in UN conferences on Standardization of Geographical Names. She has also participated in UN Regional Cartographic Conferences for Asia and the Pacific.

Wanarat Thothong is a member of several ICA commissions, and has had strong input in the ICA Commission on Education and Training, the Commission on Map Production, and the Commission on Cartography and Gender. She has hosted at least three seminars for ICA, including the Seminar on Basic Cartography in 1991, the Seminar on Digital Cartography and GIS in 1994, and the Seminar on GIS and Mapping for Agricultural Decision Support in 2003, all in Bangkok.

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For her outstanding contributions to cartography in Thailand, Southeast Asia, and the broader Asian and Pacific region, and for her tireless support of ICA activities in the region, the International Cartographic Association awards Wanarat Thothong its **Honorary Fellowship**.

**MICHAEL WOOD** is Senior Lecturer at the Department of Geography and Environment, University of Aberdeen and was previously on the faculty at the University of Glasgow. He is a cartographer who artfully combines skill in mapmaking with an agenda of scholarly publication and service. His publications in recent years have been focused on the position of cartography within the broader information and social terrain. He thinks on a broad scale about methodology of world cartography starting from its traditional roots to its modern communication and information paradigms and technologies in which we are seeing increasingly customized and individualized mapping.

Professor Wood was awarded an honorary degree of Doctor of Science at Oxford Brookes University. He has served as President of the British Cartographic Society, member of the UK Committee for Cartography, Honorary President of the Society of Cartographers, and as Vice President, President, and Past President of ICA. During his tenure on the ICA Executive Committee, he was key in developing our Strategic Plan, a document and set of ideas that is guiding ICA into the 21st Century.

For his contributions to the discipline of cartography/GIS and his service to the discipline, and especially for his service to ICA in developing the Strategic Plan, the International Cartographic Association awards Professor Michael Wood its **Honorary Fellowship**.

**PINHAS YOELI**, Professor Emeritus at Tel-Aviv University, is known throughout the cartographic world for his breakthrough work on various difficult problems in automation including hill shading, contouring, name placement, and the coloring of under sea elevations. A student and disciple of the Swiss cartographer Eduard Imhof, Professor Yoeli developed mathematical models that allowed the programming of Imhof's principles. His book entitled *Cartographic Drawing with Computers*, published by the University of Nottingham in 1982, was the first teaching material of its kind that explained and further developed the background of graphic software suited to cartographic work. He offered his expertise as a professor in the field of digital cartography in many universities throughout the world. In the span of his career, he gained many disciples of his own and has been read by cartographers throughout the world who have been inspired as well as informed by his work.

For his inspired and sustained work in digital cartography – especially his work with mathematical models for hill shading, contouring, and name placement – and for his extensive record of teaching both in the classroom and through his publications, the International Cartographic Association awards Professor Emeritus Pinhas Yoeli its Honorary Fellowship.

## Special Recognition

**DAVID WOODWARD**, Professor Emeritus, University of Wisconsin-Madison, and former Curator, The Hermon Dunlop Smith Center for the History of Cartography at the Newberry Library, passed away in August of 2004. It was David Woodward and Brian Harley who conceived, organized and launched the monumental History of

Cartography project, an effort that Prof. Woodward directed solo after the death of Prof. Harley. The project has resulted in several volumes to date, published by the University of Chicago Press, and it is bringing the study of the history of cartography into the modern milieu of scholarship with breadth of coverage and a sense of the social context of mapping that sets it apart from any previous efforts in the field. Prof. Woodward left a strong and funded Project organization that will assure its continuance to completion.

For his wide-ranging talents and for his profound contributions to the field, including his direction of the monumental History of Cartography Project, the International Cartographic Association bestows **Special Recognition** on David Woodward.

**RAMON LORENZO** has performed a double task in ICA for the past 4 years – not only was he the conference director, but he has also had a specific and arduous tasks as Vice-President, as he was made responsible in the Executive Committee for the professional practice field. This double task proved to be extremely beneficial for the ICA and ICC, as in a way it put our feet back on the ground and strengthened the link with professional practitioners, such as hydrographers and topographers. This was translated by Ramon into the organization of workshops and the incorporation of sessions on practical cartography, including sessions on GPS, Galileo and Space cartography.

As conference director, Ramon has been able to motivate a large group of volunteers to perform, and by a continued strong effort has been able to get a large number of categories of cartographers and Geographic Information specialists to A Coruna. He has highlighted the societal impact of our profession and has been the perfect ambassador of our profession, both in Spain and the World.

Therefore the Executive Committee awards him the **diploma for outstanding services** to ICA.

## Travel Awards

The jury integrated by ICA President Milan Konecny, ICA Vice-President Robert McMaster and ICA Secretary General Ferjan Ormeling conferred the ICC 2005 Travel Awards to:

Elena Cherepanova (Russia), with a presentation on '*GIS solar planetary system: case study of the ArcGIS planet*'

Cristiane da Silva Ramos (Brazil), with a work entitled '*Expanding map access for Brazilian children: an open source template for publishing school atlases on the Web*'.

Vadym Kaydash (Ukraine), presenting a paper on '*New elemental abundance maps integrating optical and geochemical data on the lunar surface*'.

Georges Herbert Chekuimo (Cameroon), for his work on '*Integrating ecological tools with GIS: modelling animal dispersal*'.

Sergio Fiori (Brazil), to present his paper on '*Touristic maps: the challenge of using art in the digital era*'.

Ulanbek Turdukulov (Kirgizistan), presenting a paper on '*Visualization of events in time-series of remote sensing data*'.

Dragutin Protic (Yugoslavia), with a presentation on '*Development of digital cartographic database for managing of the environment and natural resources in the republic of Serbia*'.

Carla Gimenez (Brazil).



# Barbara Petchenik Children's Map Competition 2005

## The Barbara Petchenik Children's Map Competition 2005

The theme of the competition was 'Many nations, one world' and a total of 128 works were submitted from 29 countries of three continents (America, Asia and Europe).

The Judging Committee was formed by: Elri Liebenberg (South Africa); Pilar Sánchez (Spain); Temenoujka Bandrova (Bulgaria); Regina Araujo de Almeida (Brazil), and Jesús Reyes Nuñez (Hungary)

The Judging Committee meeting for the selection of the best works was in the morning of July 13. The Committee evaluated the submitted maps by each age group and decided to give one award in the first age group (under 9 years), four awards in the second age group (9-12 years) and two awards in the last age group (13-15 years). The winners were:

### Under 9 years

*Many Nations, One World* (LK5)  
Shashini Umasha Jayawardena (8)  
Visakha Vidyalaya  
Colombo (Sri Lanka)



### 9-12 years

*Bulgaria Is A Friend With All Nations in the World* (BG3)  
Daiana Emilova Hadjiiska (12)  
Art School "Spektar"  
Sofia (Bulgaria)



*The World Is Just Like a Chess* (CN1)  
Biaoyunke Zhang (11)  
Colorful Castle Children's Art Studio  
Changzhou (China)



*Many Spots Make 1 World* (CA5)  
Kelsi Fraser-Easton (11)  
Silverthorne Elementary School  
Houston, B.C. (Canada)



*Untitled* (IR3)  
Saba Andalib (10)  
Salman  
Tehran (Iran)



### 13-15 years

*Many Nations, One World* (ID5)  
Nicholas William (15)  
SMA St. Bellarminus  
Menteng, Jakarta Pusat (Indonesia)



*Let's Stitch the World Together* (IL3)  
Bar Omer & Liora Haimov (14)  
Idanim High School  
Ramle (Israel)



The selected maps receive diploma and 50 US dollars.  
The Judging Committee also decided to give special awards (only diploma) to the next works:

### 9-12 years

*Help Our Earth!* (RO3)  
Evelin Demeter (12)  
School of Arts  
Târgu Mures (Marosvásárhely) (Romania)

*A World Free From Hunger* (UK5)  
Holly Harrison (10)  
Christ Church CE (C) Primary School  
Lichfield, Staffs. (United Kingdom)

*United Europe* (RU1)  
Maria Gireva (12)  
Children's Art School No. 4  
Yekaterinburg (Russian Federation)

### 13-15 years

*We Are Great Family, Take Care of Our Home* (PL1)  
Alicja Ogorzelska (13)  
Szkoła Podstawowa nr. 223 im.  
Partyzantów Ziemi Kieleckiej  
Warszawa (Poland)

*Many Nations, One World* (LT1)  
Gintare Kvietkute (13)  
Silale Art School  
Silale (Lithuania)

A public vote in each age group was organized by the Local Organizer Committee. The participation in the public vote was low: only 157 participants voted till July 14 at 17:30. All entries can be viewed at: <http://www.icaci.org/petchenik2005/index.html>.

The Judging Committee would thank all the support received by the Local Organizer Committee, in special Pilar Sanchez's and María Dolores Abad's efforts organizing the Map Exhibition and the public vote and making the diplomas for the winners.

Jesús Reyes Nuñez,  
Chair, Judging Committee

# International Map Exhibition

## Awards for Excellence in Cartography: International Map Exhibition

A total of 1000 maps were selected from the entries (including hydrographical charts), of the international map exhibition. The jury consisted of: Joel Morrison (USA), chair, Cindy Brewer (USA), Takashi Morita (Japan), Kira Shingareva (Russia), Felicia Akinyemi (Nigeria), Peter Joly (IMYA), Christiane Ramos (Brazil), Lucie Friedmannova (Czech Republic) and Fernando Aranaz (Spain). Awards were granted in the categories: a) Topographic Maps; b) Thematic Maps; c) Satellite Image Maps; d) Relief; e) Recreation and Orienteering Maps; f) Other; g) Globes and Atlases; h) Urban, as follows:

### TOPOGRAPHIC MAPS

#### Winner

**THE NETHERLANDS** (14) *Topographic Map of Bhutan*

With this map, our Dutch colleagues have introduced a new generation of topographic mapping. This outstanding map gives a vivid visual impression of the surface of the planet. Using Shuttle Radar Topography Mission, SRTM data, with ERDAS imagine 8.7 for mosaicing and shading, ArcGIS 9 enabled cartographic finishing. The results are outstanding.

#### Second Place

**CHINA** (38) *Map of Macao Special Administrative Region and Adjacent Regions*

#### Third Place

**THE NETHERLANDS** (11) *Topographic Map of the Netherlands Sheet 17 H Emmen*

### THEMATIC MAPS

#### Winner

**NEW ZEALAND** (4) *Land Environments of New Zealand*

This poster like map is very visually effective. It uses a collection of maps of different themes and explains how they were combined to provide Land Environments of New Zealand maps.

#### Second Place

**UNITED STATES** (11) *The Population Map*

#### Third Place

**JAPAN** (8) *Sumatra Earthquake*

### SATELLITE IMAGE MAPS

#### Winner

**NORWAY** (11) *Dovre fjell Mountain as seen from Satellite*

The geometrically corrected satellite image is draped over a DTM and results in a vivid presentation of this mountainous area. The linear features are well depicted and the color choice is outstanding.

#### Second Place

**HUNGARY** (51) *Overview blockmap sheet for the Land Parcel Identification Systém LPIS Tokaj and vicinity*

#### Third Place

**AUSTRIA** (14) *Satellitenbildkarte Galle*

### RELIEF

#### Winner

**SPAIN** (65) *Sierra Nevada Las Alpujarras*

An impressive combination of hue and shading with physical form that show terrain while text remains easy to read on three dimensional plastic.

The judges made only one award in this category due to the small number of entries.

### RECREATION AND ORIENTEERING MAPS

#### Winner

**UNITED KINGDOM** (23) *Fife Coastal Path*

This is a complete map guide. All the essential information for walkers is presented in an easy to read and carry format on compact waterproof paper in full color.

#### Second Place

**ITALY** (10) *Monte Bianco excursion map*

#### Third Place

**THE NETHERLANDS** (6) *ANWB=VVV Topographic bicycle map Noord=Holland*

### OTHER

#### Winner

**RUSSIAN FEDERATION** (22) *Drawing Book of Siberia, compiled by Simon Remezov in the year 1701*

This is a very interesting collection of drawings prepared originally on the order of Peter the Great. Great care has been exercised in reproducing each of the drawings. It is a superbly rendered compilation. A companion volume of text is part of this entry.

#### Second Place

**CHILE** (5) *Model of Continental Drift*

#### Third Place

**JAPAN** (4) *South Up Finger Map*

### GLOBES AND ATLASES

#### Winner

**FINLAND** (12) *Urbes Finlandiae, The Historical Atlas of Finnish Towns*

This atlas shows the development of Finnish towns using two to five maps each. The layout is outstanding and the accompanying text clearly explains the development of each town.

#### Second Place

**HUNGARY** *Maps of Europe 1520 to 2001*

#### Third Place

**POLAND** (5) *Geographical Atlas of Poland*

### URBAN

#### Winner

**CANADA** (22) *City of Toronto Building Construction Data*

This map is a snapshot of growth trends in the city using yearly building information from assessment data. It has high legibility of the phenomena with brilliant color, simple design of map symbols, and appropriate map scale.

#### Second Place

**POLAND** (49) *Wroclaw plus 8. City Map*

#### Third Place

**HONG KONG** (8) *Town Map Series Tuen Mun and Yuen Long*

# XXII International Cartographic Conference

## Orienteering event on ICC2005

For most cartographers (except the Scandinavians) the orienteering sport is not well-known. The orienteers would like to practice their sport in foreign countries too. We had no official orienteering event organized during the last ICCs, but there were participants even in Durban (2003) and Beijing (2001) who could do orienteering activities in those countries where this sport is hardly known. In Ottawa (1999) there was a semi-official orienteering event, which was not the part of the ICC programme, but finally about 70 participants took part.

In 2005 I wanted to be sure to give the opportunity to the ICC participants to take part in an orienteering event. Using the advantage of my similar position (commission chair) in the ICA and in the International Orienteering Federation (IOF) I contacted my friends in the Spanish Orienteering Federations, who directed me to the local orienteers (Oscar Freire, Galician Orienteering Federation). I made them get connected with the local organizing committee of the ICC, and I was very glad when Lorenzo Ramon accepted the offer and the event became the part of the official programme.

The selection of the event place (the area on the northern part of the peninsula) was ideal. In the park there the tourists often visit the Hercules Tower, which is the landmark of the city. Two days before the event we realized a very surprising phenomenon: the fog was coming from the sea, the eyeshot was reduced to 10-20 meters on the seaside and the temperature fell back. Finally we had a lucky weather: clear, not very warm.

The tour started from the Conference Center, and the participants nearly filled a bus. There was not too much time reserved for the events due to the gala dinner. The event organizers were waiting for us on the sport field and realized a fast, but very good event. The course was 3200 meters long (in a straight-line) with 22 control points. It was a relatively long course for beginners, but the area was open so every participant was able to complete the course. The open area was partly covered by a special bush-like grass, which was difficult to cross if somebody missed the paths.

Finally we had 36 participants from 15 countries (15 of them came from Scandinavia). The winner was Dusan Petrovic (Slovenia), his time was 20:43. The second was Reidar Fossum (Norway) 21:14, and the third was Ulf Hedlund (Sweden) 22:14. The results were published in the Conference Center, so a lot of participants congratulated the winners. All participants got a special T-shirt and the winners got a special prize. I think all participants enjoyed the event; the local organizers did their best.

We had one session in the conference about orienteering maps with four presentations chaired by Bengt Rystedt. Hopefully we can participate in a similar event in 2007 in Moscow. Join us there, enjoy this special activity during the next cartographic conference. See <http://lazarus.elte.hu/cet/o/ica-o.htm> for more details about the events (photos, full results etc.).

László Zentai,

*Chair ICA Commission on Education and Training*

## Conference Statistics

Registered Participants	1625
Countries	98
Number of stands	35
Number of squared metres in the Commercial Exhibition	800
Number of Exhibitors	564
Number of visitors invited by the stands in the Commercial Exhibition	4262
International Map Exhibition (projects shown)	1200
Oral presentations	500
Poster Presentations	201
Number of Technical Sessions	150
Special Technical Sessions	5
Number of Children in Scientific Camps	20
Number of participants in Orienteering Event	37
Number of participants in Social Programmes (Gala Dinner and Galician Fiesta)	675
Number of Participants in Excursions and Tours	678
Number of Participants in Workshops	103

## XXII ICA Conference

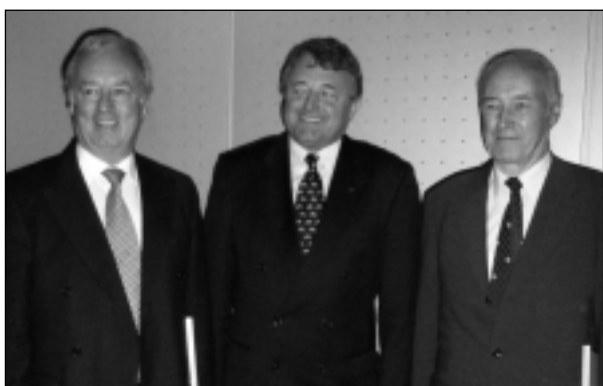
### Personal Reflections by Christopher Board, UK

I had booked to leave London on 8th July the day after the London bombings. After changing aeroplanes in Barcelona, our flight passed over the dry plains of northern part of the Meseta – fascinating landforms, bands of irrigation and widely scattered towns. As we began to cross the mountains in the north-west there were more trees then quite suddenly as we began to descend we crossed into a green landscape with small fields, orchards and scattered but small settlements. Soon the spreading coastal towns appeared in the setting sun glinting on the Bay of Biscay.

Saturday (9th), a full day to discover A Coruna, old and new, coast, port and seaside resort aided by the restored electric tram was barely adequate. It was not too difficult to find convenient and welcoming bars and restaurants within walking distance of the hotel, itself overlooking the extension of the convention centre where the conference was to take place. Sunday 10th showed signs of activity at the convention centre and I registered after negotiating the carpet of 1:25,000 topographic maps of Galicia being stuck together. Delegates poured into town during Sunday in time for Monday's Opening ceremony, followed the established pattern, except that the Lord Mayor of A Coruna switching to English expressed solidarity with the English-speaking delegates. We were able to respond to his deputy at a civic reception that evening.

Paper sessions ran from Monday to Friday but were grouped in several parallel sessions. Much use had been made to engage the chairs of Commissions and Working Groups to identify speakers and as a result audiences were usually able to generate some discussion after the papers. Deciding what to attend was also influenced by those abstracts whose authors were presenting oral or poster session and thus had registered. One had to make time between those sessions one could not bear to miss to take an excursion, visit a museum or visit one of the several exhibitions in the convention centre. Several delegates had found that they had opted for excursions which clashed with paper sessions

# Conference Pictorial



ICA President (centre) and recipients of the Carl Mannerfelt Gold Medal, David Rhind (left) and Ernst Spiess (right).



ICA Executive Committee and Carl Mannerfelt awardees.



Official reception hall in the City Hall.



Milan Konecny addressing the audience at the inaugural ceremony



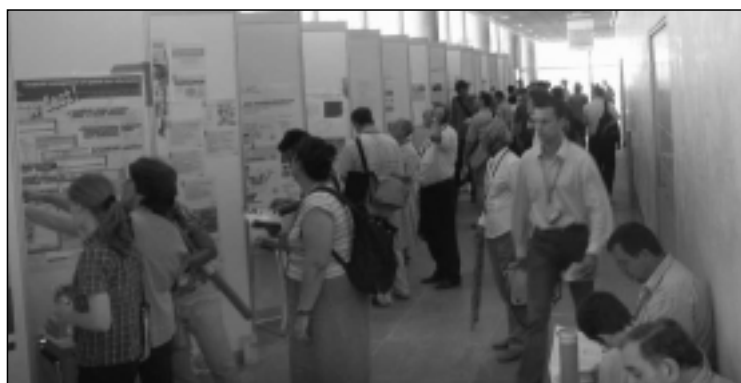
Last minute preparations of the inaugural ceremony at the Palacio de Congresos main theatre.



ICA Executive Committee members at the opening ceremony.



Banner signalling the starting of the Orienteering event.



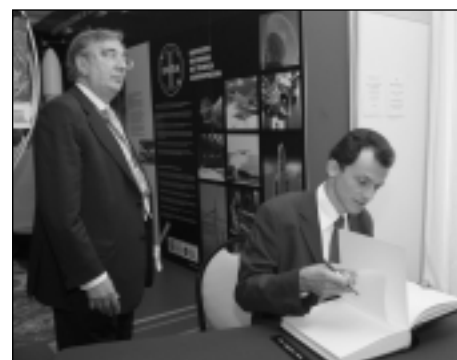
A view of the highly visited poster sessions.



ICA President signing the opening book.



Media interview of ESA astronaut Pedro Duque during his visit to the 22nd ICA conference.



Ramon Lorenzo and Pedro Duque, astronaut of the European Space Agency signing the guests book at ICC.



Conference attendees at the ICC.

# Conference Pictorial



Hosted by the Major of A Coruna in the



Harold Moellering and Ramong Lorenzo at the premier presentation of the book "World Spatial Metadata Standards" during the ICC.



External view of the modern Palacio de Congresos and the conference banner.



Committee and Spanish authorities at the



ICA Travel Awardees and members of the Executive Committee.



Ramon Lorenzo, LOC President addressing the audience at the opening ceremony



President, distinguished Spanish authorities and Ramon Lorenzo at the commercial exhibition.



Participants of the first ICA Orienteering event.



Dinner: Vanessa Lawrence (Ordnance Survey UK), Santiago IGH) and his wife.



Opening ceremony: Performance of traditional dances by the Xacarandina Group.



# XXII International Cartographic Conference

they wanted to attend, a consequence of the Preliminary Programme's late appearance after the early registration deadline. However the Preliminary Programme and Abstracts are worth keeping as a fuller record of work in progress. Papers not available from authors at the sessions were available only on the CD of Proceedings. To use this one has to be aware of the structure of the programme and the theme and session numbers. Finding authors in the desired session requires you to know their first names. Full marks for offering student registration rates which did bring in some students working on projects.

There were no plenary sessions or keynote addresses as such, although there were special technical sessions identified as such in the programme with apparently invited speakers and on more general themes. The one I went to was very thinly attended, suggesting that it should have been a plenary session.

Power point presentations were virtually universal, every room being equipped with appropriate hardware and software requiring only data to be supplied on CD or data stick. Few brought their own PCs. Other visual aids were available on request. Translation into English was available in a few smaller rooms and all discussion should have been recorded. All papers were supposed to be presented in English but some exceptions were allowed, probably only for some papers from the host country. For these sessions, translations were available from the technical assistance desks.

The printed programme was arranged according to 25 themes, rather than by day of presentation, the only index of authors being in the volume of Abstracts. Switching between sessions of 90 minutes each was possible in refreshment breaks, but it was hard to slip out from one session into another to hear just one paper, because chairmen were too indulgent and sometimes rearranged their sessions to cope with 'no-shows'. No shows were a serious problem (as they were in Durban in 2003) often caused by those who had arrived and had registered failing to appear to present their papers. Various ideas are now being discussed to solve this problem: one being to offer some poster authors with the chance of filling in the gaps, even with their pre-prepared posters.

There were three exhibitions of maps and cartographic publications as well as the special IHO (International Hydrographic Office, Monaco) display. Once again the Barbara Petchenik Children's Map Competition showed the versatility and inventiveness of children under 16 years as well as displaying national cultural styles. A catalogue of the map exhibitions was given to delegates and could be used for further notes and comments. Some effort was required to find them on the upper floors of the building, whereas the commercial exhibition lay between the entry point/registration desk and the rooms used for technical sessions.

It is appreciated that each organising committee for an International Cartographic Conference will have its own way of putting a conference together, guided by the general advice of the ICA Secretariat. However, if professional conference organisers are being employed, as they now often are, there needs to be very close liaison between the scientific and technical team and the local organisers. Insufficient English speakers, poor signage on rooms and confusing announcements of changes to programmes were in need of attention. Good information flow is the key.

## The Closing Ceremony

There were 500 oral presentations delivered, though the CD contains 620 items. The quality of both oral and poster papers is still improving, but something must be done to reduce the disruption caused by authors not appearing to present their papers. Winners of the map competitions were announced and national delegates were asked to collect diplomas

for them. During the Closing Ceremony five Honorary ICA Fellowships and one Special recognition were conferred (see this issue). Ramon Gonzales was awarded the ICA Diploma for Scientific Achievement. A special tribute to the late David Woodward, a founder editor of the Chicago project on the History of Cartography, was made by Joel Morrison. Almost the final act of ICC2005 was the transfer of the ICA flag to the Russian delegate, who had delivered a presentation of the Moscow venue to delegates. Attractive Galician dancing preceded the closure. Final farewells were said to old and new friends and we made our way home. The darkening Galician landscape slipped by below the aeroplane as I flew to Barcelona. A long week of marvellous summer weather has prompted me to return one day for a holiday.

## Extraordinary 13th General Assembly of the ICA

Prompted by approaches from the UK and support within the ICA Executive Committee, the EGA was called by the EC and held on the morning of the last day. Such a move, although provided for in the Statutes, had never been made in the history of the ICA. The decision to hold an EGA was taken in February 2005 and too late to be included in the Final Programme. There had been the appearance of a broad consensus at the 12th General Assembly in 2003 for adding a sub-title to the existing name 'International Cartographic Association'. That subtitle would reflect the expansion of cartography to include all manner of handling geographical information. Despite the wish among some countries not to add such a sub-title, the 'modernisers' obtained 26 votes to 18 against, out of a total of 58 members who had voting rights. As the statutes require motions to have an absolute majority of voting members, i.e. those with voting rights, the motion failed. At the 2003 General Assembly objections were raised that a properly nominated Chairman of a Commission could be elected without terms of reference being supplied. A small change in the Statutes, to ensure that chairmen and their terms of reference were approved at the same time, was approved 42 for, 4 against. Thus at the next General Assembly (Moscow) in 2007 this will be in force for the approval of all Commissions. The General Assembly also endorsed the 2009 Conference to be held in Santiago, Chile.

At an informal meeting of national delegates held on 13 July, repeated at the GA on 16 July, it was revealed that the Executive Committee would be reviewing the Statutes as a whole before 2007. This raises the interpretation of what in Article 28 'an absolute majority of the voting members' actually is. At A Coruna there appear to have been 46 voting out of the 58 members who were entitled to vote.

On behalf of the Executive Committee the past President of ICA raised the question of increasing the income of the ICA. He suggested that this should be done by persuading members to subscribe to the ICA in more appropriate categories. A table of statistics giving current fee, population, GNP per capita new fee and the additional fee. It was admitted that the additional fees were not consistently related to GNP per capita or population, and were somewhat subjective. As part of the Extraordinary General Assembly awards Carl Mannerfelt medals were presented to David Rhind and Ernst Spiess (see this issue).

C. Board

# XXII International Cartographic Conference

## New Working Groups and Commissions' changes

During the 13th ICA General Assembly the creation of four working groups (WG) was announced as follows:

- *Early Warning and Risk Management*, to be chaired by Dr Wilber K. Ottichilo. Email: Ottichilo@rcmr.org
- *Geospatial Analysis and Modelling*, chaired by Dr Bin Jiang, University of Gävle, Sweden. Email: bin.jiang@hig.se
- *Use and user issues*, chaired by Dr Corné van Elzakker, Department of Geo-Information Processing, ITC, Netherlands. Email: elzakker@itc.nl
- *Digital technologies in Cartographic Heritage*, chaired by Prof. Evangelos Livieratos, Aristotle University of Thessaloniki, Greece. Email: livier@maplibrary.gr

The following changes to existing ICA Commissions were announced: *Geovisualization and Virtual Environments*: Alan MacEachren stepped down as Chair, being replaced by the Commission's Vice-Chair Menno Kraak.

*Cartography from Satellite Imagery*: Graciela Metternicht was appointed Acting Chair, and Serge Le Blanc Vice-Chair.

## Countries with voting rights suspended

The following countries have had suspended their voting rights: Albania, Colombia, Estonia, Ghana, Guinea, Iceland, Kenya, Madagascar, Morocco, Mongolia, Nicaragua, Nigeria, Panama, Peru, Qatar, Romania, Salvador, Sudan, Tanzania, Tunisia, Ukraine, Venezuela, Vietnam, Yemen. Suspension of voting rights arises because of a lack of payment of the annual ICA membership.

## New Country members and Affiliates

Two new countries are joining ICA, namely, Cyprus (e.g. Department of Lands and Surveys) and Benin (Association Beninoise de Cartographie). Likewise, two new affiliates have joined: PPWK (Poland) and Eko-Graf Publishing House (Poland)

## Amendment of ICA Statutes

A proposal to amend the third sentence in article 24 of the ICA statutes was discussed at the 13th ICA Extraordinary Assembly. It reads: "A commission consists of a chairperson, who is to be elected at each General Assembly, and of a number of other members selected by its chairperson". The EC proposed that it be changed to: "A commission is chaired by an individual, who is elected at each General Assembly. The General Assembly shall at the same time approve Terms of Reference for that commission. The commission also includes a number of other members selected by its chairperson". The proposal was carried, with 42 votes YES, 4 votes NO.

*William Cartwright, ICA Vice-President.*

## Co-operation Agreement between the International Cartographic Association (ICA) and the Geographical Information Systems International Group (GISIG)

This Agreement, entered into on this 15th day of July, 2005, by the International Cartographic Association, hereinafter called "ICA" and the Geographical Information Systems International Group, hereinafter called "GISIG".

1. ICA and GISIG agree to co-operate in the following activities, which are to their mutual benefit:
  - The joint promotion of international events.
  - The development of common activities towards GI users, for which GISIG can make available its European network of contacts and members, and in particular the Thematic Networks NATURE-GIS, ICAM-GIS and WATER-GIS where several stakeholders are represented.
  - The dissemination of information and materials about each organisation to members of the other.
  - The right to refer to this Agreement in the information materials of each organisation.
  - The mutual exchange of representatives to the principal annual meeting of each organisation. Registration charges for official representatives will be waived up to a maximum of two representatives per event.
  - Any other activities agreed by the governing bodies of both organisations.
2. This Agreement applies to ICA and GISIG as organisations as a whole. It does not give the individual members of ICA and GISIG any membership rights in the other (e.g. rights to special membership rates at its activities).
3. This Agreement between ICA and GISIG will be reviewed annually by the governing bodies of both organisations before being formally renewed. In the absence of a review by either body, it will be assumed that this Co-operation Agreement is automatically renewed for the subsequent year.

*Milan Konecny,*

*ICA President, Giorgio Saio, Co-ordinator GISIG*

# Conference Reports

## Modern Technologies, Education and Professional Practice in Geodesy and Related Fields

This international symposium is an annual event organised by the Union of Surveyors and Land Managers in Bulgaria in cooperation with many other national and international organisations. Besides Bulgarians the symposium attracts participants from neighbouring countries, especially Turkey, Greece and Tjeckia. The symposium was devoted to celebrate the 100 Anniversary of the birth of Professor Vassil Peevski (1905-1992), who dedicated his life to the science and profession of geodesy. Among many other honorary rewards he was elected Honorary President of IAG.

At the opening session three keynote papers were presented. Professor Sledzinski from Poland, gave the first presentation on the revolution of geodesy and the importance of using latest technology in education. After him the Secretary General of ISPRS, Professor Altan presented an overview of the role of photogrammetry, remote sensing and GIS in disaster management. I gave the final presentation dealing with ICA activities and the importance of standards for dissemination of maps and geographic information. After the opening session the symposium was divided into two parallel sessions.

The proceedings of the symposium are very impressive. It contains 83 papers and I found many of great interest and high quality. The reward for best paper presented by young scientists was given to Dr Marketa Potuckova, Charles University of Prague for her paper Photogrammetric Approach to Automated Checking of DTMs.

Once again Professor Milev has managed a successful symposium. Next year the symposium will have the same title and be held on 9-10 November 2006.

*Bengt Rystedt,  
ICA Past President*



*The organiser and manager of the symposium Professor Georgi Milev handing over the diploma for best paper by young scientists to Dr Marketa Potuckova.*

## AfricaGIS 2005

With the theme "Beyond Talk: Geo-information working for Africa", the 7th AfricaGIS Conference was held at the CSIR International Convention Centre in Tshwane (Pretoria), South Africa, from Monday 31 October to Friday 4 November 2005. With 808 delegates attending, it was comfortably the largest AfricaGIS Conference ever held, as well as the largest conference on geographical information ever held in southern Africa, if not in the whole of Africa. The conference drew delegates from 44 countries – including 25 countries in Africa – and its technical exhibition was supported by 56 organisations.

The conference was very successful and ran smoothly in spite of the logistical problems of so many delegates – by the Sunday before only 404 delegates had registered, so numbers doubled during the conference and were much more than planned!

With four parallel paper sessions (two with simultaneous translations into French and English) and up to three workshops in parallel, the conference had much to offer delegates. The conference was also preceded by several workshops on Saturday 29 and Sunday 30 October 2005.

AfricaGIS 2007 is scheduled to take place in Ougadoudou, Burkina Faso.

*Antony Cooper*

## ICA Team Work in Bogota, Colombia

Just before ICC 2005 in A Coruna, the President of ICA was asked by Dr. Dora Ines Rey ICA support for the "Week on Geomatics 2005" (hereinafter referred to as "Week"). The Week was held from the 8th to 13th August, in Bogotá, Colombia, as a part of celebrations of the 70th Anniversary of the Agustín Codazzi Geographic Institute, organized commonly by IGAC and the Europe Union Project: "Improvement of Colombian Cartographic Systems". The topics developed were focused on Remote Sensing, Geographic Information Systems - GIS, Global Positioning Systems - GPS, Geodesy, Digital Cartographic Production, Spatial Data Infrastructures, Digital Photogrammetry, Cadastre and Urban Planning. The conference was headed by the Director General Mr. Iván Darío Gómez Guzmán and the National Cadastral Director Gabriel Martinez, and was organized by Mrs. Dora-Ines Ray.

The Week on Geomatics 2005 was organized in three sessions:

1. Conferences (8 to 10 August), with 348 attendees.
2. Theory-practice Workshops (11 to 13 August), with 121 students and eight international expert trainers.
3. Panel on State of the Art and Cadastral trends (11 August), with 100 attendees.

The Conferences included 6 plenary lectures and 18 technical parallel sessions with 72 presentations. On behalf of ICA, the author of this report gave a conference keynote speech: "The Role of the Geographic Information in the Knowledge Society". Another paper was presented by Jose Luis Colomer Alberich (Cartographic Institute of Cataluña) "Cataluña Spatial Data Infrastructure (IDEC): State of the art and challenges" with special views for the role of cartography in this process. There have been other invited speakers from our sister organizations, such as ISPRS - Karsten Jacobsen, Director at the University of Hannover, of the Institute of Photogrammetry and Geoinformation, Germany with a paper on Trends of Photogrammetry and Geoinformation; and Stig Enemark, Vice President of International

Federation of Surveyors (FIG), Denmark with a paper on "Cadastral Tale: towards a Land Administration Infrastructure". There were other high-level international and national lectures. Amongst the national presentations should be highlighted the speech from Alberto Boada "Improvements of the National Cartographic System in Colombia" and excellent leadership of Geomatics round table by Dr. Dora Ines Rey.

I am proud to mention that ICA was the only international organization that sent its team to Bogota which covered two out of six theory-practical Workshops oriented on Cartographic Generalization led by Karel Stanek from the Czech Republic and Jose Luis Colomer Alberich from Spain and "Maps on Web" led by Temenoujka Lubenova Bandrova from Bulgaria and Milan Konecny from the Czech Republic (photo).

Representatives of ICA were surprised by the very high technological level of all participants from many fields of practical activities, e.g. map design, urban GIS, 3D modeling and Internet mapping, etc. Perhaps the theoretical preparation should be improved in the future. But all impressions were very positive on both sides, experts and participants. The technical support provided by IGAC was also excellent.

During the Week, I met with the Director General of IGAC, Mr. Iván Darío Gómez Guzmán, to exchange opinions on potentials for cooperation, and one of the results is the wish of ICA to participate in the next Week on Geomatics in 2007. The future help of ICA is expected and requested.

Very important for the conference results the presence of three international communities, ICA, FIG and ISPRS. For the organizers it was seen as a cooperative effort that creates capacity and competence in the area of Geomatics, significantly contributing to the promotion and development of common projects. The event was successful and certainly promoted and strengthened the geographic information management in the country, and in the entire Latin and American region.

*Milan Konecny*  
President, ICA



*ICA Team in the Geomatic Week 2005 in Bogota (from left to right): Jose Luis Colomer Alberich, Spain, Temenoujka Lubenova Bandrova, Bulgaria, Karel Stanek and Milan Konecny both Czech Republic*

## Joint ICA Commissions Seminar on Internet-based Cartographic Teaching and Learning: Atlases, map use, and visual analytics, Madrid 6-8 July 2005

To organize a joint meeting of five ICA Commissions is a real challenge. Three commissions agreed on organizing a joint event connected to ICC 2005 two years ago. We did not want to refuse the joining of two additional commissions, and we did not want to compete with the main conference either: it was one of the pre-conference joint seminars of the large biannual conference.

The five commissions were: Cartography and Children, Education and Training, National and Regional Atlases, Internet and Mapping, and Visualization. We accepted the offer of Rufino Pérez Gómez from the Madrid Technical University (Universidad de Politécnica de Madrid) to organize this joint seminar. He and his team (the Grupo Mercator of the Escuela Técnica Superior de Ingenieros en Topografía, Geodesia y Cartografía, Departamento de Ingeniería Topográfica y Cartografía) did all the logistic elements of local organizing: accommodation, city tour. They helped every participant to solve their incidental problems, offered a friendly environment so that the participants could concentrate on their presentations.

Coming closer to the deadline we had more and more applicants. This is why we decided to close the registration: we would not have been able to manage more participants. Altogether, we had 72 registered participants (including Milan Konecny, ICA President, some Vice-presidents and commission chairs) representing 23 countries from nearly every continent.

To relieve the burden on the local organizers, a separate group was formed to prepare the proceedings. I was responsible for this job together with my Hungarian colleagues. The commission chairs formed a scientific group to select the papers. As we planned to publish the proceedings with full papers just before the seminar, we strictly had to keep the deadlines. Finally, the volume of proceedings includes 38 presentations, a short biography and a photo of each author (16 pages). The proceeding can be procured from the RMIB on behalf of the ICA ([info@rmib-geoscience.nl](mailto:info@rmib-geoscience.nl)).

The programme of the joint seminar lasted three full days with a short afternoon sightseeing tour in Madrid and a trip to Toledo. We had ten presentations sessions during three days. The main topics of the presentations were related to the activities of the five commissions:

- Internet mapping
- Web atlases
- Education and training in cartography and in GIS
- Cartography and children
- Visualization
- Geospatial solutions

After closing the joint seminar, most of the participants headed to A Coruna to take part in the ICC2005. Thanks to our Spanish hosts of the Madrid seminar, we spent memorable days in the capital and took part in a very-well organized and friendly event, where the ratio of the scientific and social programmes was well-balanced.

*László Zentai,*  
Chair ICA Commission on Education and Training

# Commissions' Reports



*Participants of the Joint ICA Commissions Seminar in Madrid.*

## Planetary Cartography

It is necessary to note that for the first time since 1995, three sessions on Planetary Cartography have been included in the program of the ICA Conference in A Coruna. Till 1997 papers on this field were possible to see only as posters. The planetary cartography as a thematic direction has been officially transferred from the category "and others", and became independent only in 1997 at ICA Conference in Stockholm. Then there were planetary cartography sessions in Ottawa, Beijing, Durban. From the commission meetings and sessions also took place during the annual INTERCARTO-Conferences since 2002 (St. Petersburg 2002, Sevastopol 2003, Vladivostok 2004, Stavropol 2005), it became evident that the interest on this field of cartography has been growing gradually over the last years.

On the theme «Maps of planets and their updating» in A Coruna, the main question (J. Albrecht, Germany) was the development of precise topographic and thematic maps of Mars planet. E. Dorrer (Germany) has told about the results of his team investigations on the long-term theme devoted to specification of spatial data by means of relief forms, modeling on shadows in connection with illumination, and by changing of lighting conditions. The high resolution images received by HRSC camera from Mars-Express mission are used for these researches nowadays.

Demonstration of the preliminary version of the Mars moons map continued the series of multilingual maps of terrestrial group planets and their moons (Moscow State University for Geodesy and Cartography (Russian Federation), Technical University Dresden (Germany), University of West Ontario (Canada). On this map for the first time Phobos and Deimos have been represented by two hemispheres in various projections, namely morphographic projection transmitting the visual form of a celestial body, and the classical projections modified for triaxial ellipsoid as a relative surface. T. Duxbury (USA) made an interesting report on updating of a new Phobos map compiled on the basis of HRSC/SRC images received by the Mars-Express mission.

During the session on thematic maps of planets the report on geological mapping for Mars has been made by J. Zimelman (USA), which concerned volcanic and aeolian features of the planet revealed on the basis of THEMIS data. V. Kajdash (Ukraine) has acted with the detailed report on new maps of the Moon surface element structure on

the basis of integration by optical and geochemical data.

Theme of the third session was GIS application for planetary cartography and education in this area. A live discussion has caused E. Cherepanova's report about GIS «Planets of Solar system» with use of package ARCGIS (Russian Federation). The author had been offered GIS concept, taking into account planetary specificity, and also possible variants of its development were considered.

Kira Shingareva (Russian Federation) introduced a paper regarding the continuing compilation of the multilingual Glossary on Planetary Cartography. Currently it includes about 350 terms, Russian and English versions are fulfilled basically, with work on the German version underway. Shingareva also discussed the role of planetary maps in education. In connection with the later, it is useful to mention that during the Joint ICA Commissions Seminar "Internet-based Cartographic Teaching and Learning: Atlases, Map Use, and Visual Analytics" that took place in Madrid before La Coruna Conference, the new Atlas "Solar System" was presented by Kira Shingareva. It includes a lot of maps of planets and their moons that can be used for courses of extraterrestrial territories geography. This printed atlas will be soon available in electronic form too.

*Kira Shingareva*

*Chair, ICA Commission on Planetary Cartography*



*Members of the ICA Commission on Planetary Cartography*

## Marine Cartography

Planning proceeds for the Seventh International Symposium on GIS and Computer Cartography for Coastal Zone Management to be held in Sydney and Wollongong from 12th to 16th July 2006. Intending delegates can keep informed at the website [www.uow.edu.au/science/eesc/conferences/coastgis06.html](http://www.uow.edu.au/science/eesc/conferences/coastgis06.html) or can send inquiries to the Chair at [rfurness@ozemail.com.au](mailto:rfurness@ozemail.com.au). Registration details will be posted shortly. The local organizing committee has secured the support of the Australian Hydrographic Service as its Principal Sponsor. Partnering opportunities are detailed in a document that can be downloaded from the website, as can the Call for Abstracts which are due by 31st December 2005. Delegates will be offered an opportunity to explore part of the NSW coastline with an optional field trip. The first day will be a Wetlands Workshop to be held at the site of the Sydney Olympic Park Authority. Mark your diaries now and get cracking on those Abstracts.

*Ron Furness - Chair*



## Gender and Cartography

Apart of two technical sessions devoted to problems of under-represented groups of people held during the XXII International Cartographic Conference at A Coruna (Spain) in July, 2005 members of GaC Commission and interested persons had a chance to participate in the GaC meeting. The important point of the programme was to formulate our list of proposals to the new agenda "Cartography and GIScience" prepared by prof. Kirsi Virrantaus as a vice-president of ICA representing EC.

Two chairs of ICA commissions; namely Kira Shingareva (Planetary Cartography) and Jonathan Rowell (Maps and Graphics for Blind and Partially Sighted People) are interested in continuing collaboration between commissions. New GaC members (from Africa and Spain) declared their active future work in preparing an e-guide. The next commission meeting will be held during the First International Conference on Cartography and GIS in Borovets, Bulgaria, January 25-28, 2006.

*Ewa Krzywicka-Blum, Chair*



*Commission meeting in A Coruña*

## Theoretical Cartography

The first meeting of the Commission on Theoretical Cartography (period 2003-2005) took place in A Coruna on Thursday, July 14, 2005 during the 22nd ICA Conference. 25 Commission members, enthusiasts and friends of theoretical cartography met in Meeting Room 1/3 of the Palacio de Congresos. The topics of the meeting were the following:

- Chair's report related on the Commission activities for 2003-2005 (A.Wolodtschenko)
- Terminological project (H.Schlichtmann)
- New book of Cartographic Knowledge (G.Andrienko)
- New cartosemiotic mini-lexicon (A.Wolodtschenko)
- Preparation of joint seminar: the 3rd Vilnius cartosemiotic seminar (G.Beconyte)
- Miscellanea and discussion.

In July 2005 the Commission on Theoretical Cartography included 34 members from 22 countries and 4 continents. The Commission held two joint cartosemiotic seminars (Vilnius 2003 and 2004), a seminar on "The Selected Problems of Theoretical Cartography 2004" in August 2-6, 2004 (Kyiv, Ukraine) and a meeting (A Coruna 2005). During ICC 2005, four sessions (sixteen oral presentations) were devoted to the theme "Theoretical Cartography"; and ten posters were presented in the technical sessions. The proceedings: "The Selected Problems of Theoretical Cartography 2004" were published; also two short reports were written for ICA News. A website is available for the dissemination of commission information: <http://rcswww.urz.tu-dresden.de/~wolodt/tc-com/>

In the next two years the Commission will concentrate on the next main events: 1) International Symposium on the Theoretical Cartography, Wuhan, China 2006; The 23rd ICA Conference in Moscow, Russia, August, 2007, where a Commission meeting is planned.

## Cartosemiotic Seminar

The 3rd joint seminar between the ICA Commission on Theoretical Cartography, the Lithuanian Cartographic Society and the Centre for Cartography took place on the 28-29 October 2005, in Vilnius University. The theme of this cartosemiotic seminar was "Cartography and Socio-Cultural Research".

The opening ceremony was conducted by O.Ruksenas, Deputy Dean of the Faculty of Natural Sciences, with participation from M.Konecny, ICA President, A.Wolodtschenko, Chair, ICA commission on Theoretical Cartography, and A. Cesnulevicius, President of the Lithuanian Cartographic Society. Participants from Czech Republic, Germany, Kyrgyzstan, Poland, Russia, Ukraine and the host country Lithuania presented papers and posters. The following papers were presented in two oral sessions:

- Wolodtschenko A. (Dresden): Cartosemiotic activities and perspectives in Europe.
- Andrienko G., Andrienko N. (Sankt-Augustin): Exploratory Data Analysis: Tasks, Tools, and Principles
- Opach T. (Warsaw): Map of the natural and cultural heritage of Poland 1:50 000
- Kavaliauskas P., Dumbliauskiene M., Beconyte G. (Vilnius): Some ideas on concept, geographic analysis and mapping of socio-cultural field
- Lyssenkova Z. (Smolensk): Cartographic Aspect of Research of Regional Land Use Systems (by example of Altai Mountain)
- Forner T. (Dresden): Mapping the mind: attractiveness of European countries for Lithuanian people
- Wolodtschenko A. (Dresden): Towards potential of prehistoric maps
- Gordyeyev A. (Kyiv): Towards potential of navigation charts.

After lunch there are round table discussions and poster session (six presentations) took place. On the second day, the participants have visited the Geographic Centre of Europe and Europe Park in the near of the Vilnius. The results of the cartosemiotic seminar will be published as a CD collection of papers and posters.

*Alexander Wolodtschenko*

*Chair, ICA Commission on Theoretical Cartography*



*Participants of the seminar in the Faculty of Natural Science, Vilnius University*

# Commissions' Reports



Participants of the seminar by the Geographic Centre of Europe

## ISO/TC 211 Activities

ISO/TC 211 is the International Organization for Standardization's Technical Committee developing standards for Geographic Information/Geomatics. The following is a brief report of the ISO/TC 211 activities since they were last reported on in the ICA News, in December 2003.

ISO/TC 211 has now published 21 International Standards, two Technical Specifications and three Technical Reports. Thirteen of these were published over the last two years and those that might be of particular interest to the ICA community include:

- ISO 19110:2005, *Geographic information – Methodology for feature cataloguing*;
- ISO 19116:2004, *Geographic information – Positioning services*;
- ISO 19117:2005, *Geographic information – Portrayal*;
- ISO 19119:2005, *Geographic information – Services*;
- ISO/TR 19122:2004, *Geographic information/Geomatics – Qualification and certification of personnel*; and
- ISO/TS 19127:2005, *Geographic information – Geodetic codes and parameters*.

The revision and amendment cycle for the ISO 19100 family of standards has already begun, with one corrigendum having been published this year. New projects that have commenced over the last two years are:

- 19101-1, *Geographic information – Reference model – Part 2: Imagery*;
- Revision of ISO 19111:2003, *Geographic information – Spatial referencing by coordinates*;
- Amendment of ISO 19119:2005, *Geographic information – Services*;
- ISO 19132, *Geographic information – Location Based Services – Reference model*;
- ISO 19141, *Geographic information – Schema for moving features*;
- ISO 19142, *Geographic information – Web Feature Service*;
- ISO 19143, *Geographic information – Filter encoding*; and
- Amendment to ISO 19113:2002 *Geographic information – Quality principles* and ISO 19115:2003, *Geographic information – Metadata*.

For ISO/TC 211 Plenaries have been held over the last two years, in Kuala Lumpur, Malaysia, on 27 and 28 May 2004, in Pallanza, Italy, on

7 and 8 October 2004 (hosted by the Jopint Research Centre), in Stockholm, Sweden, on 9 and 10 June 2005, and in Montréal, Canada, on 15 and 16 September 2005 (co-hosted by the International Civil Aviation Organization). Each of these Plenaries was preceded by a number of Working Group, Project Team and Editing Committee meetings, as well as workshops and seminars on the implementation of the ISO 19100 standards by ISO/TC 211's member countries and liaisons. It is significant that two liaison organizations have hosted ISO/TC 211 Plenaries, reflecting the value of the ISO 19100 standards to their communities.

Selected resolutions from these Plenaries of interest to the ICA include:

- ISO/TC 211 has established a Focus Group on Data Producers (FGDP) to raise the awareness and promote the use of international standards by data producers. FGDP has been collecting the requirements of data producers for additional standards for geographical information, and has established a very useful Web site with resources to support the implementation of the ISO 19100 standards, see: <http://www.isotc211fgdp.info/>
- ISO/TC 211 intends developing an application profile of the Reference Model – Open Distributed Processing (RM-ODP), ISO/IEC 10746:1995.
- There is a need for registers to contain information that is not appropriate for inclusion in a standard, because of the speed with which it changes. ISO/TC 211 is in the process of establishing a register for geodetic codes and parameters, to support ISO/TS 19127. This is being done in conjunction with the International Association of Geodesy (IAG).
- New liaisons have been entered into between ISO/TC 211 and the Panamerican Institute of Geography and History (PAIGH), the United Nations Economic Commission for Africa (UN ECA), European Spatial Data Research (EuroSDR), ISO/TC 69 Applications of statistical methods, and ISO/TC 154 Processes, data elements and documents in commerce, industry and administration.
- To enhance collaboration, ISO/TC 211 has established cooperation agreements with ISO/TC 204, Intelligent Transport Systems, the Food and Agriculture Organization of the United Nations (FAO), and ISO/IEC JTC 1/SC 24, Computer graphics, image processing and environmental data representation.
- Timothy Trainor stepped down as a liaison representative from ISO/TC 211 to the ICA and was replaced by Dave Danko. The other representative from ISO/TC 211 to the ICA is Antony Cooper, and the representatives from the ICA to ISO/TC 211 are Harold Moellering and Takashi Morita.

The 22nd Plenary of ISO/TC 211 will be in Orlando, Florida, USA on 25 and 26 May 2006, preceded by Working Group, Project Team and other meetings.

*Antony Cooper and Dave Danko  
ISO/TC 211 Liaisons to the ICA*

## Nigerian Cartographers wage war against map illiteracy syndrome

On June 22, 2005, the Nigerian Cartographic Association (NCA) Lagos State Chapter embarked on an annual campaign aimed at creating the necessary awareness about the importance of maps to societal growth. Disturbed by the generally low level of cartographic awareness in the society, the NCA kicked off the cartography and map-user awareness campaign with fanfare.

The campaign slogan, was map literacy for all. The map week campaign was declared open by the Executive Governor of Lagos State, His Excellency Asiwaju Bola Ahmed Tinubu, represented by surveyor Akinyemi - Special Adviser on Housing and Environment. Several dignitaries and top government functionaries attended the event. Prof. Olayinka Balogun, former president of the NCA chaired the opening ceremony while Prof. Isaac A. Adalemo, Charter President of the NCA, delivered the keynote address. In his address, the governor called on Nigerians to embrace map literacy. He maintained that the disregard for maps has caused disorderliness on land and generated conflicts among land users.

Also, in his keynote address, Prof. Adalemo wondered how Nigerians were able to plan their lives without maps. He stressed that maps allow us to see the spatial relationship among objects of interest. Because they impact on our perceptual senses, graphic representations are more powerful than textual or numerical presentation. He concluded with a call for the establishment of a national thematic mapping agency.

Delivering his welcome address, Mr. Henry Fagbola, Chairman of the Lagos State Chapter said that the disregard for maps by policy formulators and implementers have not only caused disorder on land but also disequilibrium in the ecosystem. He fingered the educated elites as the major culprits insisting that to understand maps is not a function of one's literary attainment. He stated that the idea of the map awareness campaign was mooted as a platform for creating the much needed map - user awareness. "This campaign is about evolving a culture devoid of impunity. A culture that has respect for environmental ethics and orderliness; for the sanctity of those sacred document known as maps, charts and plans" he concluded.

Other features of the map week 2005 include a seminar/workshop on maps for mass media; street navigational treasure hunt with maps; Schools and Colleges map competition; Map Exhibition/Government Agencies Forum; and the Annual Dinner and Award Night. Happily, all the events of the weeklong activity were well attended. The two-day seminar/ workshop for media practitioners featured the presentation of papers by select professionals on the use of maps in the media of mass communication.

The book Maps for Mass Media written by two cartographers namely Dr. Richard Olomo and Mr. Henry Fagbola was presented to the public during the occasion. The book is a product of research work on Journalistic cartography is a comprehensive guide on the production and display of Journalistic maps.

The Schools and Colleges map quiz competition was a remarkable event. Of the 12 schools that participated, in the finals Baptist Model High School, Ijegan won the first prize. The second and third prizes went to the Nigerian Airforce Secondary School, Ikeja and the University of Lagos International School, respectively. Corporate giants, Cadbury Plc. provided various assorted brands of their refreshing products, to the delight of the attendees. In all, both teachers and students expressed joy for participating in the programme and thanked the NCA for the innovation, which has further stirred their interest in the subject of geography and map reading in particular.

Many top government functionaries attended the government agencies forum, which was an interactive session between them and members of the NCA. Very useful suggestions were made on how best to move the profession of cartography forward.

The NCA Best Map Award 2005 went to the following organizations:

- The Folded Map category, was won by Spectrum Books Ltd for their product Spectrum Road Map of Nigeria.
- The Wall Map of Nigeria produced by the Federal Surveys Department won the award in the flat map category.
- The Book Map category went to Longman Nigeria Plc. for their Senior Secondary Atlas (2nd edition)
- The Nigerian Airspace Management Agency (NAMA) won in the Charts Category with their En-Route Chart for air navigation in Nigeria.
- Cartographx Limited won in the Advertising and Public Relations Map Category with their product: Map of Nigeria showing location of Maersk Sealand Offices.
- The African Independent Television (AIT) won the award for the Best Map Friendly Television Station.

In all, the First Cartography and Map Awareness week was adjudged to be a huge success as various segments of the Nigerian Society were sensitized and enlightened about the importance of maps. It is hoped that subsequent editions would get better.

*Henry Fagbola, Chairman, Lagos State Chapter  
Nigerian Cartographic Association*

## 50th Anniversary of the Argentinean Centre of Cartography



On the 23rd November 2005, the Argentinean Centre of Cartography, a non-governmental, non-profit organisation celebrated its 50th anniversary. The Centre's mission is to: contribute to research, knowledge dissemination and development of Cartography; facilitate interaction and networking amongst its members; develop and maintain relationships with similar scientific and cultural entities at national and international level; and promote the participation of Argentinean Cartographers at national meetings of Cartography and related sciences.

*Eng Agrim. Juan  
Abecian President,  
Argentinean Centre  
of Cartography*

Over its 50 years of existence, the Centre has displayed a tremendous effort organising conferences, symposiums, cartographic weeks and seminars aimed at coordinating and promoting cartographic activities in Argentina. Likewise, given the constant technologic developments in the cartographic arena, the Centre regularly organises training courses to keep its members at pace with the latest technological developments.

The Centre has been profuse in networking at international level, having established contacts with several universities, the Pan-American Institute of Geography (PAIGH), and actively participating in the Barbara Petchenik Children map competition. Involvement of Argentinean children in this ICA event has always been coordinated by the Centre.

To keep the good work flowing, the Centre is organising the 3rd National Cartographic Conference and 10th Cartographic Week, on the 26-29 June 2006, at the Ciudad Autonoma de Buenos Aires. Individuals and organisations interested in the Centre's activities can subscribe to its electronic bulletin via email at [acac@com4.com.ar](mailto:acac@com4.com.ar)

# Forthcoming Events

## International Symposium on Theoretical Cartography

The ICA Commissions on Theoretical Cartography and Ubiquitous Mapping, Commissions on Cartography and GIS of the Chinese Society of Geodesy, Photogrammetry and Cartography, and the Geographical Society of China in cooperation with Wuhan University, China, the Centre for Cartography of Vilnius University, Lithuania, and Lithuanian Cartographic Society will hold the International Symposium on Theoretical Cartography on the 20-22 October 2006, in Wuhan University. This event is co-sponsored by Wuhan University and ICA Commission on Theoretical Cartography. The main topics of the conference are theories, methods and conceptions of cartography and its sub-disciplines in historical, current and perspective contexts.

### Organizing Committee

Andrienko Gennady, Germany; Beconyte Giedre, Lithuania; Cesnulevicius Algimantas, Lithuania; Gordyeyev Anton, Ukraine; Govorov Mikhail, Canada; Jiayao Wang, China; Konecny Milan, Czech Republic; Metternicht Graciela, Australia; Morita Takashi, Japan; Ormeling Ferjan, Netherlands; Qingwen Qi, China; Qingyun Du, China (Local Organizer); Rotanova Irina, Russia; Schlichtmann Hansgeorg, Canada; Wolodtschenko Alexander, Germany (Chair); Yaolin Liu, China (Local Organizer)

### Important Dates

Abstract Submission: 1st July 2006. Abstracts 500-600 words as \*.doc or \*.rtf file.

Further information is available at <http://sres.whu.edu.cn/icawuhan2006>, or by email to [qydu@whu.edu.cn](mailto:qydu@whu.edu.cn), [giedre.beconyte@gf.vu.lt](mailto:giedre.beconyte@gf.vu.lt), [alexander.wolodtschenko@mailbox.tu-dresden.de](mailto:alexander.wolodtschenko@mailbox.tu-dresden.de)

Alexander Wolodtschenko

Chair, ICA Commission on Theoretical Cartography

## ICA Workshop on Geospatial Analysis and Modelling

The ICA Working Group on Geospatial Analysis and Modelling is organising a workshop on the 8th July 2006, as a pre-conference workshop associated with three large conferences: the 12th International Symposium on Spatial Data Handling, 10-12 July 2006, ISPRS Technical Commission II Symposium, 12-14 July 2006, and Central European Cartographic Conference, 12-14 July 2006, to be held at the University of Vienna Austria, aims to bring together researchers from relevant fields to address research issues on geospatial analysis and modeling. We call for papers that deal with any aspects (visionary thoughts, theories, formal models, and applications) of geospatial analysis and modeling using any quantitative and qualitative methods. Papers dealing with the interplay of

analytical and visual approaches for creation of geographic knowledge are particularly encouraged.

### Submission

All manuscripts in length of around 5000 words (we call for full papers, NOT abstracts) should be in English, single column, single-spaced with figures and tables within the text. Papers should contain authors' affiliations, email addresses, abstract (no longer than 300 words), and up to five keywords. We only accept papers in MS Word format, but feel free to contact the workshop organizers if you use other formats. Please address all correspondence about the workshop to: [bin.jiang@hig.se](mailto:bin.jiang@hig.se)

A collection of selected papers will be ready at the workshop. Revised papers will be published as special issues with some international journals related to GIScience & Cartography. Computers, Environment and Urban Systems is a confirmed option.

The deadline for full papers is 25 March 2006; acceptance notification 25 April 2006. More information at <http://www.hig.se/~bjg/ica/workshop/>.

Bin Jiang, Chair

## Conferences, Workshops and Symposiums

*INST Conference Innovations and Reproductions in Cultures and Societies*

Section: Cartography, Cartosemiotics and Modern Society

Date: 9-11 December 2005

Venue: Vienna, Austria

<http://www.inst.at/irics/index.htm>

[http://www.inst.at/irics/sektionen\\_t-z/wolodtschenko.htm](http://www.inst.at/irics/sektionen_t-z/wolodtschenko.htm)

*GEO-SIBERIA 2006*

Date: 26- April 2006,

Venue: Novosibirsk, Russia

<http://www.sibfair.ru>

email: [geo-sib@siga.ru](mailto:geo-sib@siga.ru)

*XYZ - Solved, Cartographic Applications for Today and Tomorrow*

Date: 22- 24 May 2006,

Venue: Königslutter am Elm, Germany

<http://www.praktische-kartographie-dgfk.de>

*3rd National Cartographic Congress – Argentina*

Date: 26-29 June 2006

Venue: Ciudad Autonoma de Buenos Aires, Argentina

Contact: [acac@com4.com.ar](mailto:acac@com4.com.ar)

*The 7th International Symposium on GIS and Computer Cartography for Coastal Zone Management*

Date: 13 -17 July 2006

Venue: Wollongong and Sydney, New South Wales, Australia

Contact: Ron Furness ([rfurness@ozemail.com.au](mailto:rfurness@ozemail.com.au))

<http://www.coastgis.org>

*ICA Workshop on Geospatial Analysis and Modeling*

Date: 8 July 2006

Venue: University of Vienna, Austria

Contact: Dr Bin Jiang ([bin.jiang@hig.se](mailto:bin.jiang@hig.se))

<http://www.hig.se/~bjg/ica/workshop/>

*GICON 2006 "Geoinformation connecting societies"*

Date: 10 – 14 July 2006

Venue: University of Vienna, Austria

Contact: Prof Wolfgang Kainz

([wolfgang.kainz@univie.ac.at](mailto:wolfgang.kainz@univie.ac.at))

<http://www.gicon2006.at>

<http://www.gis.univie.ac.at/precarto>

*7th International Symposium on Spatial Accuracy Assessment in Natural Resources and Environmental Sciences (Accuracy 2006)*

Date: 5 – 7 July 2006

Venue: Lisbon, Portugal

Contact: Maria da Conceicao Pereira

([mcpereira@igeo.pt](mailto:mcpereira@igeo.pt))

<http://2006.spatial-accuracy.org>

*ISPRS Commission I Symposium "From sensors to imagery"*

Date: 3-6 July 2006

Venue: Paris, Marne la Vallée, France

Contact: SFPT secretariat ([sfpt@ensg.ign.fr](mailto:sfpt@ensg.ign.fr))

<http://www.colloquium.fr/sfpt2006>

*The Second International Symposium on Geo-information for Disaster Management*

Date: September 25-26, 2006

Venue: Goa, India

Organised by Indian Society for Remote Sensing in cooperation with ISPRS, UNOOSA, FIG, ICA and TU Delft

Contact: [asrajawat@sac.isro.gov.in](mailto:asrajawat@sac.isro.gov.in);

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