



Department of Geoinformatics
Faculty of Science
Palacký University in Olomouc
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Czech Republic



ZPRÁVA

o konferenci absolvované v rámci projektu NeoCartoLink

1. Základní popis konference

V termínu 29. – 31. srpna 2012 se Otakar Čerba a Karel Jedlička zúčastnili konference **GeoCart'2012**

And ICA Regional Symposium on Cartography for Australasia and Oceania¹, která proběhla v Aucklandu na Novém Zélandu. Celkem se na konferenci sjelo bezmála osmdesát účastníků, převážně z Océánie, ovšem byli zde i zástupci Evropy (Velká Británie, Švýcarsko, Rakousko, Česká republika, hlavní pořadatel konference je původem Polák) a USA.

Konference je zaměřena striktně na kartografii a je pořádána jednou za dva roky. Hlavní témata letošního ročníku konference byla následující:

Cartographic Representation

- Cartographic Design
- 3D Cartography
- Visualisation of Spatial Uncertainty
- Mapping in Space and Time
- Generalisation
- Symbology

Technology-led examples in Geovisualisation and cartography

- Maps on mobile devices
- Virtual and Augmented Reality
- Geovisualisation for Collaboration
- Game-based interaction and visualisation
- Web cartography and mapping the Web

Application of Cartography

- The challenge of ubiquitous maps for everyone
- Mountain, terrestrial, urban, coastal and marine cartography
- Cartography in Education
- National mapping
- Resource mapping
- Grassroots or Community Mapping

¹ <http://web.env.auckland.ac.nz/public/geocart2012/>



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Cognition and Usability

- Interfaces and their testing
- Metaphors
- Cognitive or Mental Maps

Exploratory Geovisualisation

- Geovisual Analytics

Cross-cutting issues

- Personal geographies and their mapping
- Ubiquitous Cartographies
- The philosophy of cartography
- Visualisation for Spatial Decision Support

2. Významné příspěvky

Na konferenci vystoupili čtyři pozvaní řečníci i prezident Mezinárodní kartografické asociace (ICA):

Aileen Buckley



Aileen Buckley has been a research cartographer at Esri since 2003, and she is currently the lead for Esri's Mapping Center web site. In this position, she develops and shares methods and resources for map making with GIS, with a strong focus on web mapping. Aileen also holds an adjunct associate professor appointment at the University of Redlands where she teaches in their Masters of Science in GIS program. Prior to moving to Esri, she was on the faculty in the Geography Department at the University of Oregon where she taught cartography, GIS, GPS, and other mapping sciences. Aileen has written and presented widely on various aspects of GIS and cartography. She is an author of the Map Use: Reading, Analysis, Interpretation, Seventh Edition (2012), Map Use: Reading and Analysis, Sixth Edition (2009), and the Atlas of Oregon, Second Edition (2001). Aileen has served in various positions for a number of cartographic and GIScience organizations, including the Association of American Geographer's GIS and Cartography specialty groups, and she currently serves on the U.S. National Committee to the ICA. She is also a past-president of the Cartography and Geographic Information Society.

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David Fairbairn



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After education in geography and cartography at UCL London and ITC Netherlands, David Fairbairn spent a short time working in school atlas and road map production with George Philip Ltd. Since 1978 he has been employed by Newcastle University in the north of England, teaching cartography and GIS to geomatics students, and over a lengthy time has seen the discipline of cartography change greatly. A wide variety of geospatial data handling issues have been of research interest over that period, including the structuring and presentation of terrain data, the quantification and use of indices of map complexity, the effective visualisation of map designs, the linkage between mapping and navigation, and, currently, issues connected to crowdsourcing and cartographic requirements for SDIs. In addition to published research in these areas, Fairbairn has jointly authored an introductory textbook on mapping for geography students and a library set for school children, and has contributed in promoting outreach in other areas, including editorship of *The Cartographic Journal*. Long-standing membership of Council and committees of his national cartographic association, the British Cartographic Society, was a stepping stone to service in the [International Cartographic Association](#) as Vice President (2003-2007) and as Secretary-General & Treasurer (2007-2011). He retains his passion for international collaboration in cartography by recently becoming the Chair of the ICA Commission on Education and Training.

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Professor Georg Gartner



Georg Gartner is a Full Professor for Cartography at the Vienna University of Technology. He holds graduate qualifications in Geography and Cartography from the University of Vienna and received his Ph.D. and his Habilitation from the Vienna University of Technology. He was awarded a Fulbright grant to the University of Nebraska at Omaha in 1997 and a research visiting fellowship to the Royal Melbourne Institute of Technology in 2000, to South China Normal University in 2006 and to the University of Nottingham in 2009. He serves as President of the [International Cartographic Association](#). He is Dean for Academic Affairs for Geodesy and Geoinformation at Vienna University of Technology. He is responsible organizer of the International Symposia on Location Based Services & TeleCartography and Editor of the Book Series *Lecture Notes on Geoinformation and Cartography* by Springer and Editor of the *Journal on LBS* by Taylor & Francis.

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Tom Patterson



Tom Patterson is Senior Cartographer with the US National Park Service, Harpers Ferry Center, outside of Washington, DC. He has degrees in geography from State University of New York at Oneonta, and the University of Hawai'i at Manoa. Tom previously worked as Cartographic Laboratory Manager at the University of Utah and as a Map Procurement Officer, focusing on the collection of East Asian and Pacific maps for the US Department of State. He now oversees map projects aimed at park visitors and created for different media, including print publications, outdoor signs, visitor center exhibits, electronic kiosks, and web maps. His most recent projects are mobile applications of urban parks in Washington, DC, and Boston. Cartographic relief presentation is the cornerstone of Tom's research interests. He maintains the [ShadedRelief.com](#) website, which



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offers articles, datasets, wall maps, and tutorials on this topic. Tom recently co-launched ShadedReliefArchive.com, a website preserving manual shaded relief created in the 20th century by various international artists. Another recent project was co-developing the Natural Earth projection, a pseudo-cylindrical projection for world physical mapping. Tom is a former president of the North American Cartographic Information Society and is active in the ICA Commission on Mountain Cartography.

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Roger Smith



Roger Smith is the founder, owner and manager of Geographx, a cartographic design and map production company based in Wellington, New Zealand. He holds a BSc in Geology from Otago University, but much of his working life has been spent in the agricultural sector, variously as a shepherd, a valuer/appraiser for the NZ Rural Banking & Finance Corporation, and a hill-country sheep & cattle farmer. He has also been a forestry owner/manager, a charter/air ambulance pilot and flight instructor, and prior to establishing Geographx in 1998 he spent 3 years as a resource and investment analyst for the NZ Tourism Board. He describes his comparatively short cartography career as an adventurous and rewarding self-taught journey punctuated with wrong turnings, false starts and speed bumps - a learning curve in fact that shows no sign of

levelling off. He recently acted as Chief Cartographer on the Earth Platinum project, the largest World Atlas ever produced, with his company, Geographx, coordinating the work of 90 contributing cartographers based on six different continents.

3. Prezentace české delegace

Na konferenci jsme prezentovali následující příspěvky:

- Experience with Methods of 3D Cartography gained during Visualization of Detailed Geographic Data for Purposes of Documenting Cultural Heritage: Case Study at the Castle Kozel. **Karel Jedlicka, Pavel Hájek and Otakar Cerba**, *University of West Bohemia, Czech Republic*.
- Ontologies and ETL Tool in Free Spatial Data Integration
Otakar Cerba, Karel Charvat and Karel Jedlicka, *University of West Bohemia, Czech Republic*.



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4. Zhodnocení přínosu konference

(klady záporny, osobní hodnocení, doporučení k navštívení budoucích ročníků atd.)

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Program konference byl úzce zaměřen na kartografii, na rozdíl od řady evropských kartografických akcí byla hojně zastoupena produkční kartografie.

Řídce zalidněná Oceánie poskytuje zcela jiné výzvy pro kartografii než husté zalidnění Evropy. V Evropě již dnes běžné podrobné letecké snímkování se tamějších podmínkách nevyplatí, v daleko větší míře se např. uplatňuje odvozování kartografického vyjádření z méně podrobných družicových záznamů.

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Současně probíhající **ISPRS Congress Melbourne 2012**² zmenšil počet zejména účastníků ze vzdálenějších zemí. Nevýhoda to byla jen částečná, v užším kolektivu byl větší prostor pro síťovací aktivity.

Web konference: <http://web.env.auckland.ac.nz/public/geocart2012/>

² <http://www.isprs.org/congresses/melbourne2012/default.aspx>



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