

StatGis Team



DEPARTMENT OF GEOINFORMATICS

Palacký University in Olomouc | Faculty of Science



evropský
sociální
fond v ČR



EVROPSKÁ UNIE



MINISTERSTVO ŠKOLSTVÍ,
MLÁDEŽE A TĚLOVÝCHOVY



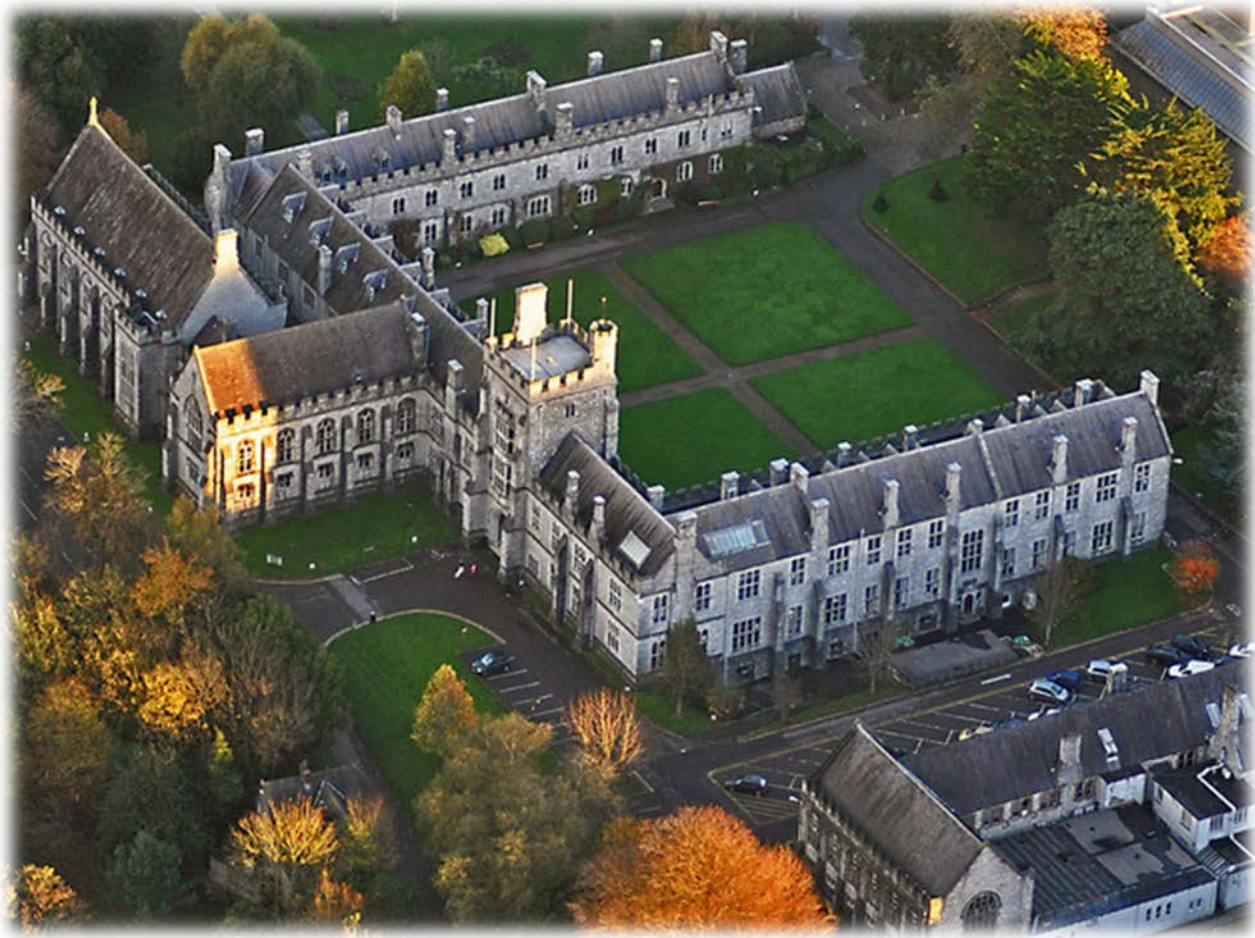
OP Vzdělávání
pro konkurenceschopnost

INVESTICE DO ROZVOJE VZDĚLÁVÁNÍ



UCC

University College Cork, Ireland
Coláiste na hOllscoile Corcaigh



	Chairperson: tbd
Invited speaker + discussion	Ian Heywood
Break	
<i>GI education initiatives across Europe</i>	Chairperson: tbd
Still unclear: Cartography or Geovisualization: practical or scientific	Vit Vozenilek and Alena Vondrakova, Palacky University Olomouc, Czech Republic
Geo-trends, a new approach in GI Education	Marinus de Bakker and Mel van Drunen, HAS University of Applied Sciences, Netherlands
A questionnaire to evaluate the GI-use in secondary school in Flanders: first findings	Luc Zwartjes, Ghent University, Belgium
Educational Programmes for Spatial Information Sciences in the Dublin Institute of Technology	William P Prendergast, Eamonn Donnelly, Audrey Martin, Dublin Institute of Technology
Lunch break	
<i>Workshop I</i>	Chairperson: tbd
Hands-on Web GIS using Google technologies	Ed Parsons (Geospatial Technologist, Google).
Break	
<i>New technologies on the curriculum</i>	Chairperson: tbd
Helping geography to come alive: Using GPS-enabled trackers to plot young peoples' geographies.	Ulf Hansson, University of Ulster, United Kingdom
Application of Entity-Relationship models in thematic mapping	Giedre Beconyte, Vilnius University, Lithuania
Forum discussion	
Geoskills Plus: connecting education to the geospatial industry	Karl Donert, Liverpool, United Kingdom
Spatial Thinking and Geospatial Career pathways	Ann Johnson, Geotech Center, USA
Bridging the gap between GEO students and labour market in today's rapidly changing GEO Profession definitions	Marcel Oostland, Paula Dijkstra, Karen Levoleger, Dutch GEO Labour Market Foundation (SAGEO)
Break	
Cooling down and wrap-up: Where to go next?	Fred Toppen & Marinus de Bakker

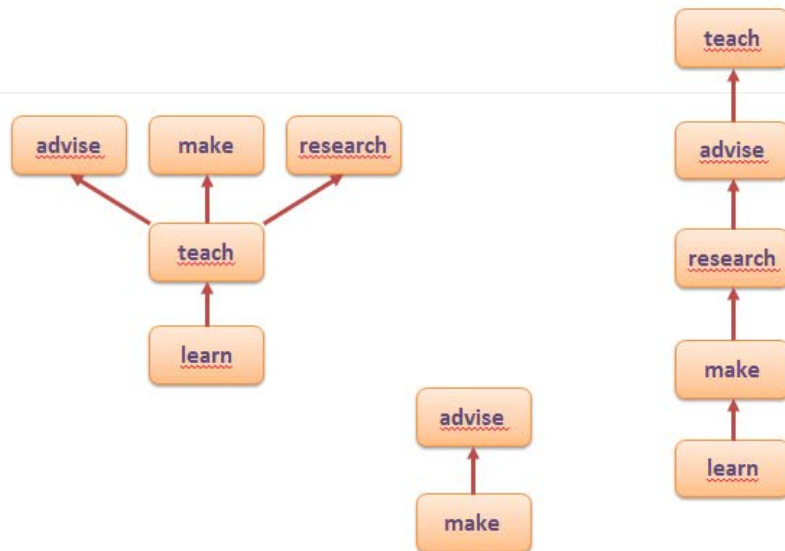
	Chairperson: tbd
Invited speaker + discussion	Prof Chris Brundsen, Director, National Centre for Geocomputation, NUI Maynooth, Ireland
Break	
<i>The GI Book of Knowledge</i>	Chairperson: Marinus de Bakker
Do we know what we need to know? GI-N2K explores	Frans I. Rip, Wageningen University, Netherlands
Development of an European version of the GI S&T BoK	Md. Imran Hossain and Wolfgang Reinhardt, University of the Bundeswehr, Munich, Germany
Experiences in using Volunteered Geographic Information (VGI) and Free and Open Source Software in teaching	Dr. Peter Mooney, Department of Computer Science, NUI Maynooth (NUIM)
<i>Exchange of materials, software, posters demonstrations</i>	
Poster pitches (5 minutes per poster)	Chairperson: tbd
Experience in GIS education at the University of Lodz (Poland)	Iwona Jadzdzewska, University of Lodz Poland
A multi-disciplinary approach to teaching GIS in Post-Primary Schools	Dr Paul McKenzie, Dr Stephen Roulston and Dr Sally Cook, University of Ulster, United Kingdom
Graphic Design, Education in Professional Visual Communication	Mel van Drunen and Marinus de Bakker, HAS University of Applied Sciences, Netherlands
Comparison of SDI in Ireland and Spain	Nuria Arteaga, Dublin Institute of Technology, Ireland
Lunch break	
<i>Workshop II</i>	
Hands-on: ESRI's GIS in Schools programme	Jason Sawle (ESRI UK)
Break	
<i>Pedagogy and didactics in GI education</i>	Chairperson: tbd
Problem solving transfer in GIS education	Jeff Howarth, Middlebury College, Vermont, USA
A rising tide of Professional Masters degrees, what does this mean for the academy?	Karen K. Kemp, University of South California, USA
Development of an Education Assistance Tool on Geospatial Information Technology	Morishige Ota, Chuo University, Japan
Discussion: what can be learnt from these experiences	

STILL UNCLEAR:
Cartography or Geovisualization?
practical or scientific?

Vít Voženílek, Alena Vondráková et al.
Palacký University Olomouc

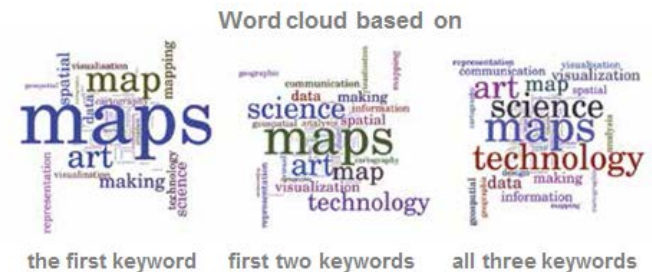
Where is cartography in geography?

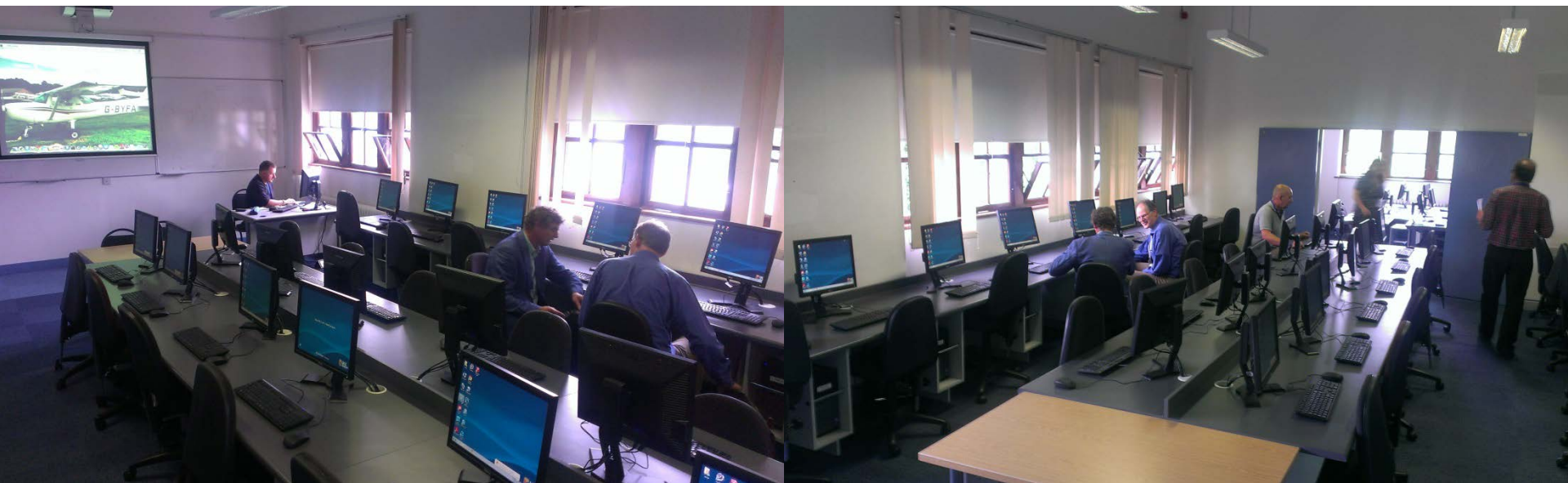
-everywhere
 - in **map making** – as fundamental methods and media for coding geographic facts
 - in **map use** – as voluminous source of spatial information



Q2. What characterises our domain?

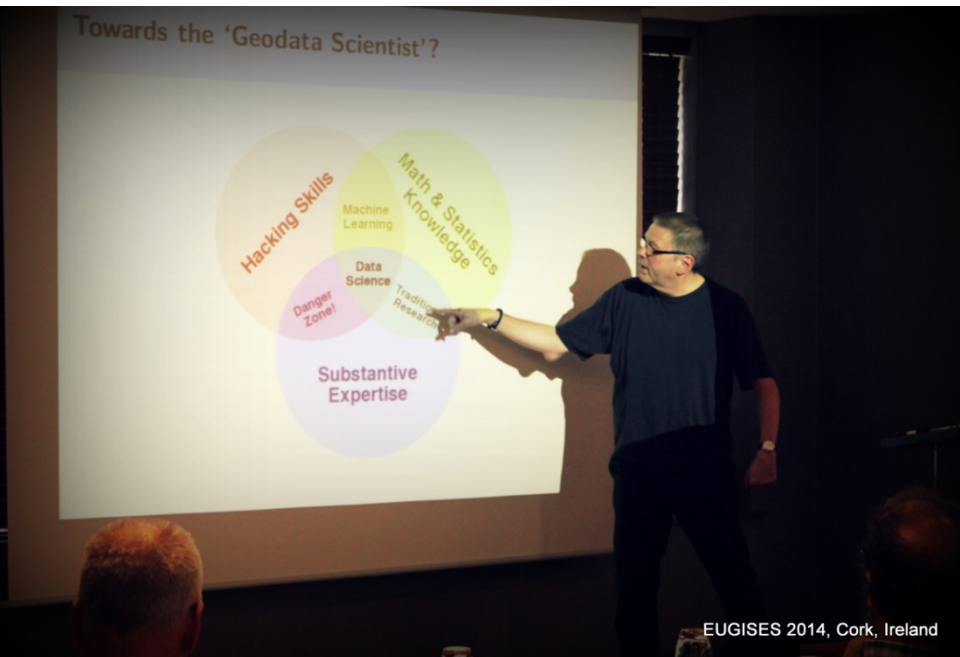
- Three keywords were allowed
 - The word **map(s)** dominates as the first keyword.
 - Adding a second and a third keyword creates some nuance, but one could almost make out the short definition of cartography given above!



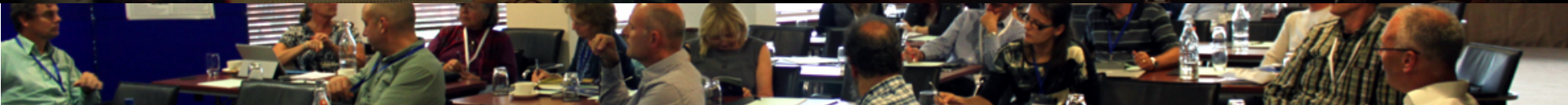




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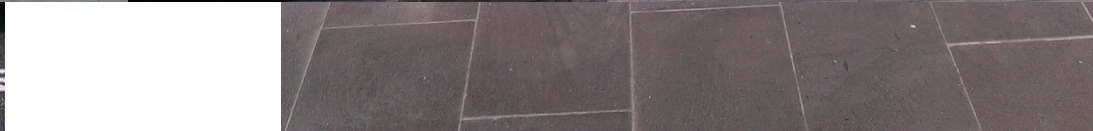
EUGISES 2014, Cork, Ireland



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China I



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ICA Commission Workshop on Theoretical Cartography and Geo-Information Science, Beijing 2014

中国科学院地理科学与资源研究所
创新成果展
2000-2009

IGSNRR

Session 1: Map and Atlas Compilation (Session Chair: Peter Jordan)

- Ethnic maps as a politically sensitive issue: methodological aspects and practice, **Peter Jordan (Austrian Academy of Sciences)**
- Atlas As An Integrated Environment For Complete Geographic Research, **Vít Voženílek (Palacky University Olomouc, Czechia)**
- The Design of the National Economic Atlas of China, **Qi Qingwen (IGSNRR, China)**
- Design and Implementation of Online Atlas based on Spatial Cognition, **Liu Yaolin (Wuhan University, China)**
- Teaching of Cartography and Geographic Information Management in Province of Sumapaz, **Gabriel sanchez Puin (Universidad de Cundinamarca, Colombia)**
- Not yet available, **Nizamuddin Khan (India)**

Session 2: Theoretical Cartography and GIScience (Session Chair: Du Qingyun)

- Theory and Technology: Geo-control, **Zhong Ershun (IGSNRR, China)**
- Basic Structures of words and sentences in cartographic language, **Li Zhilin (Hong Kong Polytechnic University)**
- To Smarter Spatial Computing: A Epistemological Perspective, **Du Qingyun (Wuhan University, China)**
- Optimization of the Indoor Layout of a supermarket for fire emergency by simulation of evacuation dynamic, **Li Lin (Wuhan University, China)**
- Shape Cognition in Map Space, **Ai Tinghua (Wuhan University, China)**
- Cartosigmatics- Concepts and Criticism, **Stephan Augruesser (Wuhan University, China)**

ATLAS AS AN INTEGRATED ENVIRONMENT FOR COMPLETE GEOGRAPHIC RESEARCH

Vit Vozenilek

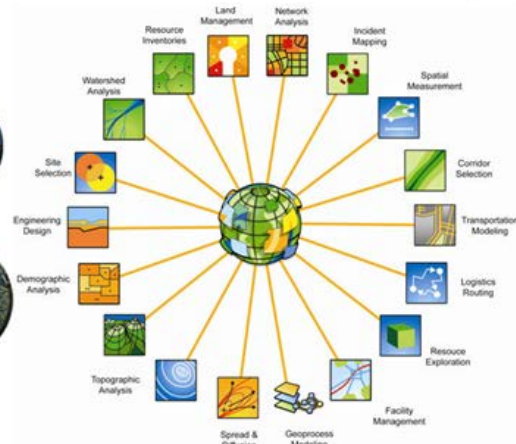
Palacky University, Olomouc (Czech Republic)

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Geography is the only science which is able to provide
description of complexity of territory



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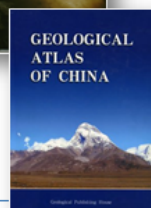
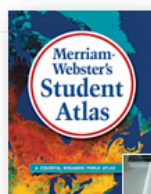


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Content vs. Saturation

Position – Attribute - Relationship

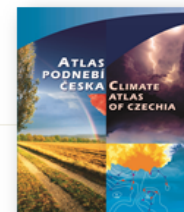
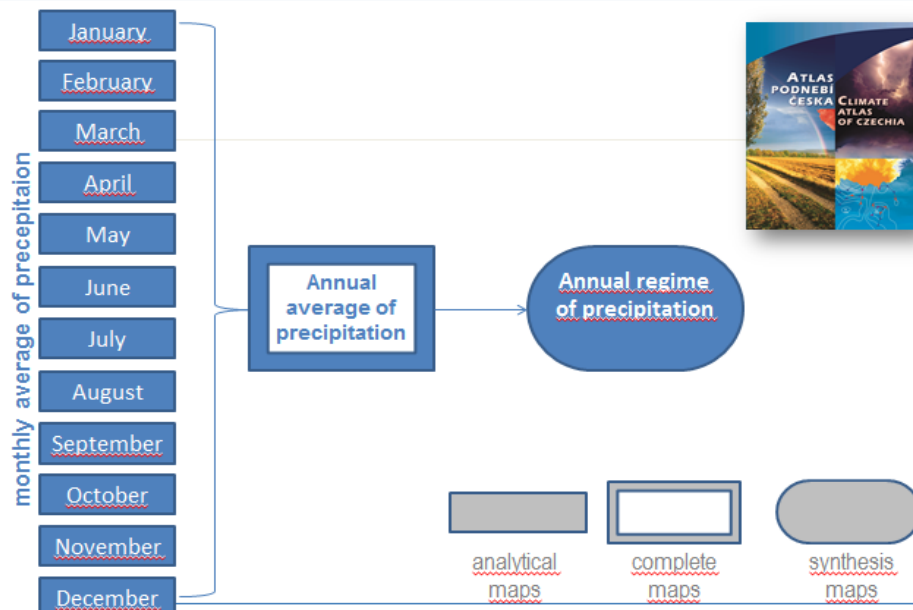
- **School / student atlases**
 - they reflect curriculum
 - what is taught – that is in maps
- **Reference atlases**
 - to show comprehensive character of territory
- **Thematic / national (scientific) atlases**
 - to display results of research
 - to provide information resources for research



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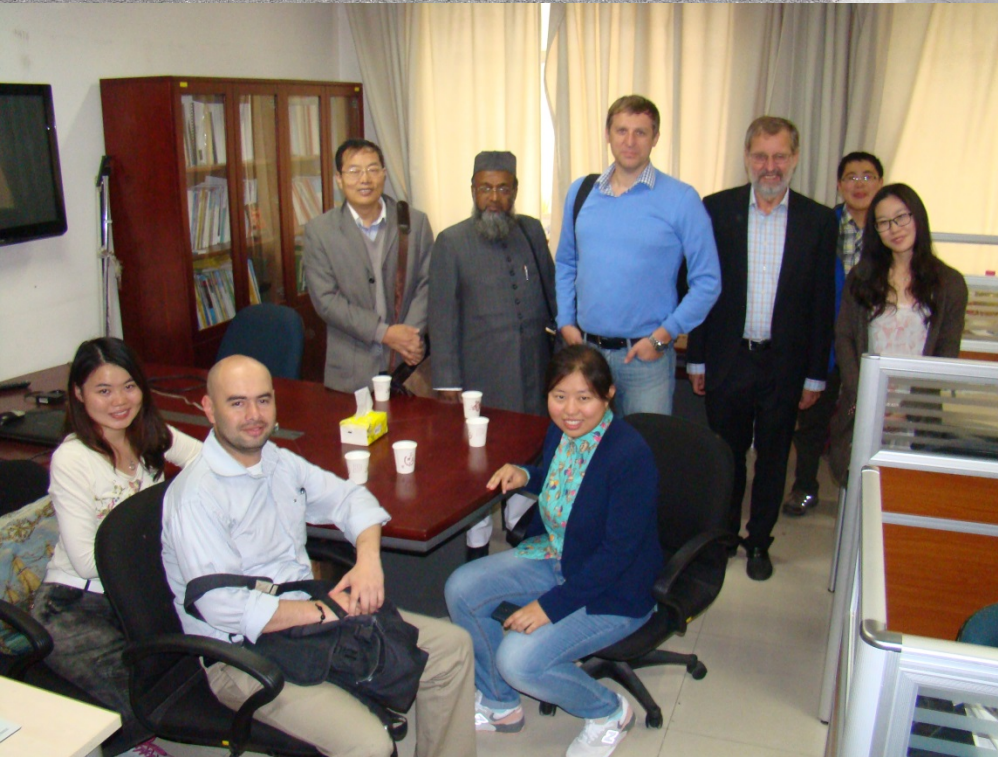
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和谐号

速度 309km/h

速度 309km/h



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China II



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2014 IACSIT Beijing Conferences

**2014 the 6th International Conference on Graphic and Image Processing
(ICGIP 2014)**

**2014 International conference on Networks and Information Security
(ICNIS 2014)**

**2014 International Conference on Robotics and Computer Vision
(ICRCV 2014)**

CONFERENCE SCHEDULE

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Anaglyph videoanimations from oblique stereoimages

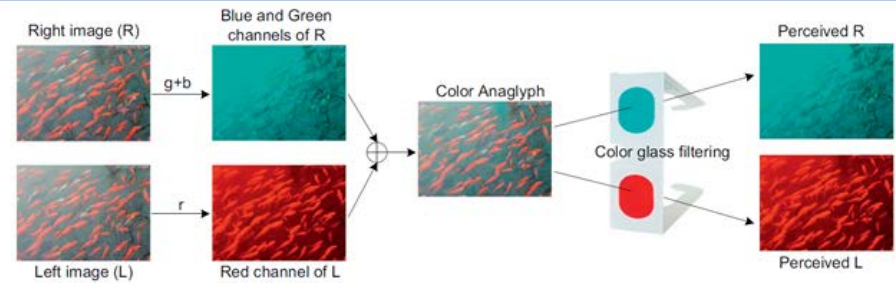


Vit VOZENILEK, Tomas KRALIK
Palacký University, Olomouc
Czech Republic

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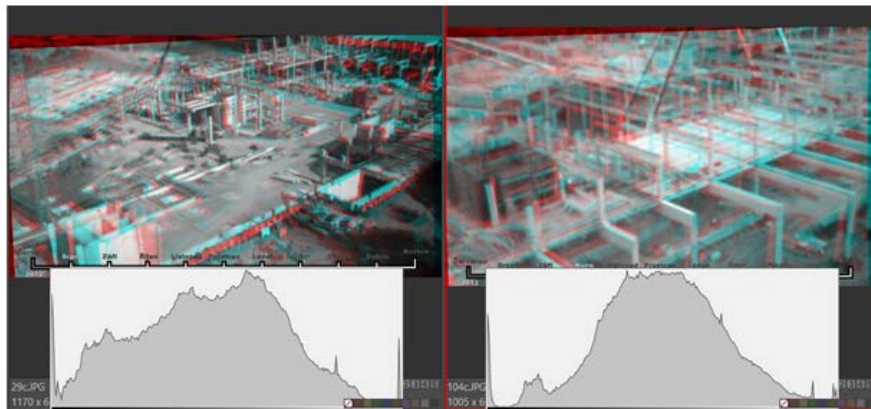
- stereoscopic 3D effect achieved by means of encoding each eye's image using filters of different (usually chromatically opposite) colors
- two differently filtered colored images, one for each eye
- when viewed through the "color-coded" "anaglyph glasses", each of the two images reaches the eye it's intended for
- the visual cortex of the brain fuses this into perception of a three-dimensional scene or composition.

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best images



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ANAGLYPH VIDEOANIMATIONS

- full set (3 videos)
- best images (2 videos)
 - subjective selection
 - objective selection
- morning, afternoon, evening (3 videos)
- key moments of construction (2 videos)

<http://www.tkralik.com/anaglyph/>



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