

6th ICA Mountain Cartography Workshop Lenk/Switzerland Programme

| Time | Monday, 11 Feb 2008 | Tuesday, 12 Feb 2008 | Wednesday, 13 Feb 2008 | Thursday, 14 Feb 2008 | Friday, 15 Feb 2008 | | | | | |
|---------------|---------------------|---|----------------------------------|----------------------------------|------------------------------|------------------------------|---|--------------------------------|----------------------|---------------------|
| 08:00 – 09:00 | Arrival | BREAKFAST | BREAKFAST | BREAKFAST | BREAKFAST | | | | | |
| 09:00 – 09:15 | | Physical Geography I | M. Kinberger | Relief Depiction I | M. Gurtner | Relief Depiction II | M. Gamache | Physical Geography III | R. Ladstaedter | |
| 09:15 – 09:30 | | | A. Thimm | | A. Tait | | S. Raeber | | S. Staeuble | |
| 09:30 – 09:45 | | | M. Buchroithner | | D. Schobesberger | | W. McNulty | | D. Theler | |
| 09:45 – 10:00 | | | G. Vassena | | R. Smith | | T. Patterson | | | |
| 10:00 – 10:15 | | | | | | | | | | |
| 10:15 – 10:45 | | | COFFEE BREAK | COFFEE BREAK | COFFEE BREAK | COFFEE BREAK | | | | |
| 10:45 – 11:00 | | DEM & Terrain Modelling | J. Vallet | History | L. Hurni | 4 short presentations | N. Kelso, G. Fortin, R. Jořica, G. Bassa | Closing Session | | |
| 11:00 – 11:15 | | | P. Jordan | | A. Pearson | | | | | |
| 11:15 – 11:30 | | | M. Pla | | H.-U. Feldmann | | | | | |
| 11:30 – 11:45 | | | A. Leonowicz | | | | | | | |
| 11:45 – 12:00 | | K. Wolff | | | | | | | | |
| 12:00 – 13:00 | | LUNCH | LUNCH | LUNCH | LUNCH | LUNCH | | | | |
| 13:00 – 13:15 | | Departure | 1 hour walk | Skiing / sledging / snow walking | Physical Geography II | I. Drecki | 13:03 Train Depart. | | | |
| 13:15 – 13:30 | | | | | | M. Kunz | 13:38 Train Depart. | | | |
| 13:30 – 13:45 | | | | | | K. Kriz | | | | |
| 13:45 – 14:00 | | | | | | C. Lienert | | | | |
| 14:00 – 14:15 | | | | | | | | | | |
| 14:15 – 14:45 | | | | | | 14:21 Train Arrival | | | | 14:38 Train Depart. |
| 14:45 – 15:00 | | | | | | 4 short presentations | J. Gilgen, G.+M. Ilies, A. Rohweder, C. Bonacina | Multimedia & Mobile | D. Petrovič | |
| 15:00 – 15:15 | | | | | | | | | J. Galera, I. Garcia | |
| 15:15 – 15:30 | | | | | | | | | A. Weber | |
| 15:30 – 15:45 | K. Kriz | | | | | | | | 15:38 Train Depart. | |
| 15:45 – 16:15 | 15:56 Train Arrival | COFFEE BREAK | COFFEE BREAK | COFFEE BREAK | 16:03 Train Depart. | | | | | |
| 16:15 – 16:30 | Departure | Forum "New Design of Swiss Topographic Maps" (Discussion) | Relief Depiction III | B. Jenny | 16:38 Train Depart. | | | | | |
| 16:30 – 16:45 | | | | L. Gondol | | | | | | |
| 16:45 – 17:00 | | | | T. Toth | | | | | | |
| 17:00 – 17:15 | | | | (special demo) | | | | | | |
| 17:15 – 17:30 | | | | | | | | | | |
| 17:30 – 17:45 | | | | | | 17:38 Train Depart. | | | | |
| 17:45 – 18:00 | | | | | | | | | | |
| 18:00 – 19:00 | | | | DINNER | DINNER | DINNER | DINNER (Raclette) | | | |
| 19:00 – | Opening meeting | Surprise Night | 20:00 – 22:00 Curling (optional) | | | | | | | |

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|---------|--------------|--------------------|-------------------|
| Legend: | Break | Outdoor Activity | Social Event |
| | Presentation | Short Presentation | Arrival/Departure |

6th ICA Mountain Cartography Workshop Lenk/Switzerland List of Presentations

Tuesday, 12 February 2008

Physical Geography I

| | | | | | |
|--------------|-----------|----------------------|---------|-------------|--|
| Kinberger | Michaela | University of Vienna | Vienna | Austria | Interdisciplinary research in high mountain areas of North-East India |
| Thimm | Alexander | Swiss National Park | Zernez | Switzerland | ViviTo – an interactive information tool for mountainous protected areas |
| Buchroithner | Manfred | TU Dresden | Dresden | Germany | Long- and Short-Term Investigations into the Spatial Pattern of Annual and Interannual Snow Coverage of the Brogger Peninsula, Spitzbergen |
| Vassena | Giorgio | L'Umana Dimora | Milano | Italy | Rwenzori Meteo and Geodetic Network: an introduction |

DEM & Terrain Modelling

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|------------|--------------|-----------------------------------|-----------|-------------|---|
| Vallet | Julien | Helimap System | Epalinges | Switzerland | High precision LiDAR mapping for complex mountain topography |
| Jordan | Peter | Böhringer AG | Oberwil | Switzerland | Lost valleys and hidden mountains – exploring and visualising the base of the quaternary with help of a DEM |
| Pla Baella | Maria Blanca | Institut Cartogràfic de Catalunya | Barcelona | Spain | New requirements for the relief in the topographic databases of the Institut Cartogràfic de Catalunya |
| Leonowicz | Anna | ETH Zurich | Zurich | Switzerland | Generating contour lines from GTOPO30 for small scale mapping |
| Wolff | Kirsten | ETH Zurich | Zurich | Switzerland | Mountain mapping and DSM generation using high resolution satellite image data |

4 short presentations

| | | | | | |
|----------|----------------|--|-------------------|-------------|---|
| Gilgen | Jürg | Federal Office of Topography | Wabern | Switzerland | Caricatured mountains? Aerial photos – photogrammetric plot – swisstopo's rock representation |
| Ilies | Marin Gabriela | Babes-Bolyai University of Cluj-Napoca | Sighetu Marmatiei | Romania | Rodnei mountains tourist map – a tourist mapping project in Romania |
| Rohweder | Arne | Panoramic Maps • 3D-Design | Hinteregg | Switzerland | Panoramic Maps over the Years - Panoramic maps, visualisation, animation, new media |
| Bonacina | Costante | University of Brescia | Brescia | Italy | The Rwenzori trekking GIS |

Wednesday, 13 February 2008

Relief Depiction I

| | | | | | |
|---------------|--------|-----------------------|-------------------|-------------|--|
| Gurtner | Martin | | Wichtrach | Switzerland | The Swiss Alpine Club and its role in national mapping |
| Tait | Alex | International Mapping | Ellicott City, MD | USA | Mountain ski mapping in North America |
| Schobesberger | David | University of Vienna | Vienna | Austria | Evaluating the effectiveness of 2D vs. 3D trailhead maps – A map user study conducted at Zion National Park, United States |
| Smith | Roger | Geographx (NZ) Ltd | Wellington | New Zealand | Developing a 3D dynamic map of New Zealand's backcountry |

History

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|----------|----------|------------------------------|------------|----------------|--|
| Hurni | Lorenz | ETH Zurich | Zurich | Switzerland | Cartographic relief presentation – 150 years of tradition and progress at ETH Zurich |
| Pearson | Alistair | University of Portsmouth | Portsmouth | United Kingdom | The terrain models of Joachim Eugen Müller (1752-1833) and the production of the "Atlas Suisse par Meyer et Weiss": An analytical study using non-contact 3D digitizing techniques |
| Feldmann | Hans-Uli | Federal Office of Topography | Wabern | Switzerland | Charles Jacot-Guillarmod – one of the pioneers of the Swiss style of cliff representation |

Thursday, 14 February 2008

Relief Depiction II

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|-----------|------------|------------------------------|-------------------|-------------|---|
| Gamache | Martin | National Geographic Magazine | Washington, DC | USA | A retrospective look at National Geographic Magazine's mountain depictions in maps, panoramas and perspective views |
| Raeber | Stefan | ETH Zurich | Zurich | Switzerland | An ambitious terrain model project – A combination of a handmade, a computer-generated and a profiled terrain model |
| McNulty | William E. | National Geographic Magazine | Washington, DC | Switzerland | The future of terrain presentation at National Geographic Magazine |
| Patterson | Tom | US National Park Service | Harpers Ferry, WV | USA | Digital techniques for creating a National Geographic-style physical world map |

4 short presentations

| | | | | | |
|--------|--------------|-----------------------|-----------------|---------|--|
| Kelso | Nathaniel V. | The Washington Post | Hyattsville, MD | USA | Building smart interactive maps: enabling map projections in Adobe Flash |
| Fortin | Guillaume | Université de Moncton | Moncton, NB | Canada | Multidate mapping approach to determine alpine and subalpine habitat variations on Mount Jacques-Cartier, Quebec, Eastern Canada (1972-2007) |
| Jońca | Rafal | RJ CARTO | Gliwice | Poland | Photogrammetric map of Tatra (1934) as an example of local adaptation of Swiss style cartography |
| Bassa | Gizella | Gizimap | Budapest | Hungary | Combination of traditional hill-shading and digital cartography on the small scale maps |

Physical Geography II

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|---------|------------|----------------------------|----------|-------------|--|
| Drecki | Igor | The University of Auckland | Auckland | New Zealand | Evaluation of cartographic resources in researching landforms in high mountains: case study of double ridges in Polish Tatra Mountains |
| Kunz | Melanie | ETH Zurich | Zurich | Switzerland | Visualization of synoptic hazard maps and their uncertainty |
| Kriz | Karel | University of Vienna | Vienna | Austria | Cartographic analysis of avalanche specific online-applications of the avalanche warning services in Europe. A comparison of relevant cartographic factors for the visualization of the avalanche bulletin |
| Lienert | Christophe | ETH Zurich | Zurich | Switzerland | A real-time flow map of the Swiss 1:200'000 river network. Considerations on its preparation and its dynamic integration into a web-based prototype |

Multimedia & Mobile

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|---------------|------------|-------------------------|------------|-------------|--|
| Petrovič | Dusan | University of Ljubljana | Ljubljana | Slovenia | Web application for topographic maps changes acquisition |
| Galera Garcia | Juan Jesus | University of Leon | Ponferrada | Spain | Mobile mountain mapping |
| Weber | Adrian | ETH Zurich | Zurich | Switzerland | Three-dimensional accessibility visualization of remote areas in Lao P.D.R. using the NASA World Wind Java SDK |
| Kriz | Karel | University of Vienna | Vienna | Austria | Cartographic design issues utilizing Google Earth for spatial communication |

Relief Depiction III

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|--------|----------|--------------------------------|-------------|-------------|---|
| Jenny | Bernhard | ETH Zurich | Zurich | Switzerland | Automatic scree representation for topographic maps |
| Gondol | Loïc | Institut Géographique National | Saint-Mandé | France | Cartography of high mountain areas. Test of digital cliff drawing |
| Tóth | Tibor G. | Toth Graphix | Bowie, MD | USA | Accidental cARTographer |

Friday, 15 February 2008**Physical Geography III**

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|------------|---------|-------------------------------|----------|-------------|---|
| Ladstätter | Richard | Graz University of Technology | Graz | Austria | Documentation of the retreat of Gössnitzkees and Hornkees glaciers (Hohe Tauern range, Austria) for the time period 1997-2006 by means of aerial photogrammetry |
| Stäuble | Sabine | University of Lausanne | Lausanne | Switzerland | Historical mapping for landscape reconstruction: case studies in the canton of Valais, Switzerland |
| Theler | David | Université de Lausanne | Lausanne | Switzerland | Mapping sediment transfer processes using GIS applications |