Content

004 Edition Notice
005 Foreword
007 Group Photo

Papers

011 The Rwenzori Trekking GIS
Costante Bonacina, Giorgio Vassena, Giuseppa Cipriano, Susanna Bulferetti, Bob Nakilesa

017 Investigations into the Spatial Pattern of Annual and Interannual Snow Coverage of Brøgger Peninsula, Svalbard, 2000 – 2007
Manfred F. Buchroithner, Nadja Thieme, Jack Kohler

023 Evaluation of Cartographic Resources in Researching Landforms in High Mountains
Igor Drecki, Justyna Żyśkowska

033 Cartographic Analysis of Avalanche Hazard Maps
Markus Eckerstorfer

041 Charles Jacot-Guillarmod – One of the Pioneers of the Swiss Style of Rock Representation
Hans-Uli Feldmann

Guillaume Forrin, Jean-Luc Pilote

057 Mobile Mountain Mapping
Juan Ignacio Galera, Jesus Miguel Garcia, Joaquin Ramirez

063 Aerial Photos + Photogrammetric Plot = swisstopo’s Rock Representation: Caricatured Mountains?
Jürg Gilgen

071 Cartography of High Mountain Areas
Loïc Gendrel, Arnaud Le Bris, François Lecordix

081 The Swiss Alpine Club SAC and its Role in National Mapping
Martin Gurtner

085 Cartographic Mountain Relief Presentation
Lorenz Hurni

093 Rodnei Mountains Tourist Map
Gabriela Ilies, Marin Ilies

097 Automatic Scree Representation for Topographic Maps
Bernhard Jenny, Ernst Hutzler

103 Photogrammetric Map of the Tatra Mountains (1934) as an Example of Local Adaption of Swiss Style Cartography
Rafal Jonca

107 Designing the DEM of the Base of the Swiss Plateau Quaternary Sediments
Peter Jordan

115 Documentation of the Retreat of Gössnitzkees and Hornkees Glaciers (Hohe Tauern Range, Austria) for the Time Period 1997 – 2006 by Means of Aerial Photogrammetry
Viktor Kaufmann, Richard Ladstädter
<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>125</td>
<td>Interdisciplinary Research in High Mountain Areas of North-East India</td>
<td>Michaela Kinberger, Karel Kriz, David Schobesberger</td>
</tr>
<tr>
<td>129</td>
<td>Cartographic Design Issues Utilizing Google Earth for Spatial Communication</td>
<td>Karel Kriz</td>
</tr>
<tr>
<td>133</td>
<td>Hazard Maps in Switzerland</td>
<td>Melanie Kunz, Lorenz Hurni</td>
</tr>
<tr>
<td>139</td>
<td>Generating Hypsometric Layers from GTOPO30 for Small-Scale Mapping</td>
<td>Anna Leonowicz, Bernhard Jenny</td>
</tr>
<tr>
<td>147</td>
<td>A Real-Time Flow Map of the Swiss 1:200,000 River Network</td>
<td>Christophe Lærert, Olaf Schnabel, Ernst Hutzler, Lorenz Hurni</td>
</tr>
<tr>
<td>155</td>
<td>Creating a National Geographic-Style Physical Map of the World</td>
<td>Tom Patterson</td>
</tr>
<tr>
<td>163</td>
<td>The Terrain Models of Joachim Eugen Müller (1752 – 1833) and the Production of the &quot;Atlas Suisse par Meyer et Weiss&quot;</td>
<td>Alastair Pearson, Martin Schaefer, Bernhard Jenny</td>
</tr>
<tr>
<td>171</td>
<td>Web Application for Topographic Maps Changes Acquisition</td>
<td>Dušan Petrovič, Blaž Kovačič</td>
</tr>
<tr>
<td>177</td>
<td>New Requirements for the Relief in the Topographic Databases of the Institut Cartogràfic de Catalunya</td>
<td>Blanca Baella, Maria Pla</td>
</tr>
<tr>
<td>185</td>
<td>An Ambitious Relief Model Project</td>
<td>Stefan Räber, Lorenz Hurni</td>
</tr>
<tr>
<td>195</td>
<td>Panoramic Maps Over the Years</td>
<td>Arne Rohweder</td>
</tr>
<tr>
<td>201</td>
<td>Evaluating the Effectiveness of 2D vs. 3D Trailhead Maps</td>
<td>David Schobesberger, Tom Patterson</td>
</tr>
<tr>
<td>207</td>
<td>Developing a 3D Dynamic Map of New Zealand's Backcountry</td>
<td>Roger Smith</td>
</tr>
<tr>
<td>211</td>
<td>Historical Mapping for Landscape Reconstruction</td>
<td>Sabine Stäuble, Simon Martin, Emmanuel Reynard</td>
</tr>
<tr>
<td>219</td>
<td>Mountain Ski Maps of North America</td>
<td>Alex Tait</td>
</tr>
<tr>
<td>227</td>
<td>Mapping Sediment Transfer Processes Using GIS Applications</td>
<td>David Theler, Emmanuel Reynard</td>
</tr>
<tr>
<td>235</td>
<td>ViViTo</td>
<td>Alexander Thimm, Christian Schmid, Ruedi Haller</td>
</tr>
<tr>
<td>241</td>
<td>Accidental cARTographer</td>
<td>Tibor G. Tóth</td>
</tr>
<tr>
<td>249</td>
<td>High Precision LiDAR Mapping for Complex Mountain Topography</td>
<td>Julien Valet</td>
</tr>
<tr>
<td>255</td>
<td>Use of NASA World Wind Java SDK for Three-Dimensional Accessibility Visualization of Remote Areas in Lao P.D.R.</td>
<td>Adrian Weber, Andreas Heinimann, Peter Messerli</td>
</tr>
</tbody>
</table>
Abstracts

261 Combination of Traditional Hill-Shading and Digital Cartography on Small Scale Maps
Gizella Bassa

263 A Retrospective Look at National Geographic Magazine’s Mountain Depictions in Maps, Panoramas and Perspective Views
Martin Gamache

265 Building Smart Interactive Maps: Enabling Map Projections in Adobe Flash
Nathaniel V. Kelso

267 The Future of Terrain Presentation at National Geographic Magazine
William E. McNulty

269 Rwenzori Meteo and Geodetic Network
Giorgio Vasena¹, Gregorio Mannucci², Giuseppe Cipriano², Gustavo Corti², Costante Bonacina³, Matteo Sgrenzaroli³, Bob Nakilesa⁴

271 Mountain Mapping and DSM Generation Using High Resolution Satellite Image Data
Kirsten Wolff, Armin Gruen

Reports

273 Report of the 6th ICA Mountain Cartography Workshop
Christian Häberling, Lorenz Hurni

279 A “Wild” Thing
Martin Gurtner

281 Authors