# Table of Content

## VOLUME 1

### Map Design and Map Analysis

- Maple – a Web Map Service for Verbal Visualisation using Tag Clouds Generated from Map Feature Frequencies  
  *Stefan Hahmann, Dirk Burghardt*  
  Page 3

- Audio Cartography: Visual Encoding of Acoustic Parameters  
  *A.-L. Kornfeld, J. Schiewe, J. Dykes*  
  Page 13

- Classifying, Analysing and Experiencing Maps- A tentative humanistic approach  
  *Janos Szegö*  
  Page 33

- Aesthetic Aspects of Early Maps. Inspiration from Notes by Univ. Prof. Karel Kuchař  
  *Jan D. Bláha*  
  Page 53

- Representations, Diagrams and Visualizations of Space and Place  
  *William Cartwright*  
  Page 73

- A Map in a Movie – the Role and the Usage  
  *Lucie Friedmanová, Karel Staněk*  
  Page 91

- A Hazy Mirror? Testing the Reflection of Society in State Topographic Maps  
  *Alexander J Kent*  
  Page 109

- Map Collecting Practices  
  *Chris Perkins*  
  Page 133

- The Atlas Toolbox: Concept and Development of a Rule based Map Component for a GIS-VIS Production Environment  
  *Hartmut Asche, Rita Engemaier*  
  Page 147

### Use and User Issues

- What do People prefer and What is more effective for Maps: a Decision making Test  
  *André Luiz Alencar de Mendonça, Luciene Stamato Delazari*  
  Page 163
On-demand Cartography for Trekkers
*Catherine Dominguès, Charlotte Hoarau*

Benefits through Linking of analogue and digital Maps
*Christian Pauschert, Emanuel Riplinger, Carola Tiede, Volker Coors*

Understanding the Influence of specific Web GIS Attributes in the Formation of non-experts’ Trust Perceptions
*Artemis Skarlatidou, Jessica Wardlaw, Muki Haklay and Tao Cheng*

Usability Evaluation of a Map-Based Multi-Publishing Service
*Hanna-Marika Flink, Juha Oksanen, Ulla Pyysalo, Mikko Rönneberg and L. Tiina Sarjakoski*

**Tool and Processes to Collaborate**

Contemporary and Collaborative Web Concepts as part of a Geo-Knowledge Tool to Assist Park Management
*Monique Elsley, William Cartwright*

Integrating User-contributed Geospatial Data with assistive Geotechnology Using a localized Gazetteer
*Matthew T. Rice, William C. Hammill, Ahmad O. Aburizaiza, Sara Schwarz, R. Daniel Jacobson*

Augmenting Quantum-GIS for collaborative and interactive Tabletops
*A. Viard, G. Bailly, É.Lecolinet, E Fritsch*

**Looking for the appropriate data or services**

Ontology-Based Discovering of Geographic Databases Content
*Anmar Mechouche, Nathalie Abadie, Emeric Prouteau, Sébastien Mustière*

Place Names Ontologies
*Željka Jakir, Željko Hećimović, Zvonko Štefan*

Standardization of geographical Names in Croatia
*Željko Hećimović, Zvonko Štefan, Željka Jakir*

Location and Cartographic Integration for Multi-Providers Location Based Services
*Roula Karam, Frank Favetta, Rima Kilany, Robert Laurini*
<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interactive Scale-dependent multidimensional Point Data Selection</td>
<td>387</td>
</tr>
<tr>
<td>using enhanced Polarization Transformation</td>
<td></td>
</tr>
<tr>
<td>Stefan Peters</td>
<td></td>
</tr>
<tr>
<td>Automated Delineation of Stream Centerlines for the USGS National</td>
<td>409</td>
</tr>
<tr>
<td>Hydrography Dataset</td>
<td></td>
</tr>
<tr>
<td>C. Anderson-Tarver, B.P. Buttenfield, L.V. Stanislawski, and J.M. Koontz</td>
<td></td>
</tr>
<tr>
<td>Pattern Recognition and Typification of Ditches</td>
<td>425</td>
</tr>
<tr>
<td>Sandro Savino, Massimo Rumor, Matteo Zanon</td>
<td></td>
</tr>
<tr>
<td>Model Generalization of the Hydrography Network in the CARGEN Project</td>
<td>439</td>
</tr>
<tr>
<td>Sandro Savino, Massimo Rumor, Fabio Canton, Giovanni Langiù, Marco Reineri</td>
<td></td>
</tr>
<tr>
<td>Evaluation of Properties to determine the Importance of individual</td>
<td>459</td>
</tr>
<tr>
<td>Roads for Map Generalization</td>
<td></td>
</tr>
<tr>
<td>Qi Zhou, Zhilin Li</td>
<td></td>
</tr>
<tr>
<td>A multi-agent System Approach for Feature-driven Generalization</td>
<td>477</td>
</tr>
<tr>
<td>of Isobathymetric Line</td>
<td></td>
</tr>
<tr>
<td>Xunruo Zhang, Eric Guilbert</td>
<td></td>
</tr>
<tr>
<td>Multiscale Hypsometric Mapping</td>
<td>497</td>
</tr>
<tr>
<td>Timofey Samsonov</td>
<td></td>
</tr>
<tr>
<td>Best Pratice for Polygon Generalisation from medium to small Scale</td>
<td>521</td>
</tr>
<tr>
<td>in a GIS Framework</td>
<td></td>
</tr>
<tr>
<td>Adriani Skopeliti</td>
<td></td>
</tr>
<tr>
<td>CollaGen: Collaboration between automatic cartographic Generalisation</td>
<td>541</td>
</tr>
<tr>
<td>Processes</td>
<td></td>
</tr>
<tr>
<td>Guillaume Touya, Cécile Duchêne</td>
<td></td>
</tr>
</tbody>
</table>
Advances in Cartography and GIScience. Volume 1
Selection from ICC 2011, Paris
Ruas, A. (Ed.)
2011, XVI, 560 p., Hardcover
ISBN: 978-3-642-19142-8