

## Contents

### KEYNOTE

- Nanetti A.** 'Big Data' in Digital History and Cartographic Heritage into the Digital. Engineering Historical Memory as a Showcase 7

### CHAPTER 1

- Van Egmond M.** Visualizing the historical Utrecht skyline 10
- Nanetti A.** Interactive Exploration of the Map of Imola (1473-1502, UK, Windsor, Royal Collection, RL 12284) 20
- Schaffer G.** The transformation of a Jerusalem urban brownfield site into an urban park 21
- Timár G, N. Varga.** The border triplex of Hungary, Romania and Serbia – a one-meter-wide stripe of the Yugoslav state and its representation in the border maps 30
- Krejčí J., J. Cajthaml** Database of extinct historical objects in the Vltava river valley 37
- Hajdú E., M. Pál** The digital reconstruction of hiking trail system evolution in the Mátra Mts, Hungary 43

### CHAPTER 2

- Gkadolou E., P. Prastacos** Historical maps as a core element in Cultural Heritage applications: A CIDOC profile and an ARCHES application for Candia's historical maps 58
- Kuźma M., A. Mościcka, A. Kuklińska** The quality of geographic names in librarian descriptors 59
- Liu D., Y. Xue, S.-A. Cheong, V. Khoi, A. Nanetti** Information Visualisation for Digital History Participatory Solutions for Reviewing Best Practices 60
- Novak A., V. Ostash** Digitizing Historical Maps and their presentation in Online Map Collections 75
- Pridal P., J. Kucera** OldMapsOnline next generation 87

### CHAPTER 3

- Vardakosta I.** Cooperation as a policy factor for strategic development of a geographical collection: the case of Greek academic libraries 89
- Zinchuk L.** Digital collection of maps is an integral part of the National Electronic Library of Russia 101
- Bracke W.** Deposit or donation? Transfer policies in the framework of cartographic patrimony enrichment 102
- Denis L., M. Janowiecki, R. Chano Murray, L. Poolman, M. Blake** Making Cultural Heritage Interoperable: Lessons in Standardizing Metadata for Paper Maps, Geospatial Data, and Open-Source Software 103
- Cowen D.** The Evolution of GIS Support in Academic Libraries 117

## CHAPTER 4

- Pazarli M., K. Diamantis, V. Gerontopoulou** Hackers in the Onassis Library! Unriddling Rigas Velesinlis' Charta of Greece (1796-7) 131
- Gropp H.** The Lazarus map and its historical context 145
- Robles Macías L.** Reconciled at last? Grids of latitude and longitude on two Ottoman portolan charts 146
- Svenningsen S.-R., M.-L. Perner, G. Levin, G. Groom** Investigating land area categories in large-scale historical topographic maps in relation to analysing land-landscape change: From 19th century military assessment of landscape trafficability to 21st century land use and land cover categories 164
- Ranzi R., M. Balistrocchi, S. Barontini, M. Peli** Land cover changes since the 19th century detected from old maps for environmental applications: toward a CORINE 1800 project 179

## CHAPTER 5

- Timár G.** Georeference of Map of Denmark by Bugge and Wessel (1762-1777) 190
- Kucera J., D. Mikitova** Georeferencing scanned maps with online community 196
- Walt R.** Use the crowd - georeferencing of historical maps at ETH Library 205
- Gede M., G. Vassányi, V. Árvai** Experiences of MRCNN in automatized map vectorization 206
- Groom G., G. Levin, S.-R. Svenningsen, M.-L. Perner** Dune Sand – Object based image analysis for vectorization of a dotted signature in Danish late 1800s maps 207

## CHAPTER 6

- Jovanovic D., D. Oreni** Diverse uses of historical cartography: From urban analysis to the educational tool 218
- Polo-Martín B.** The study of accuracy of historical maps in Spain through GIS and MapAnaylist: digitalization and analyse of a relevant city from 19th to 20th century and its extrapolation to others 232
- Stomska-Przech K.** The urban plot on a city plan – from cartographic source to historical map 247
- Tsorlini A., C. Boutoura, A.-P. Pagkalidis, M. Psarogiorgos** Visualizing historical facts on maps created combining information from different sources 248
- Irás K., I. Faragó** Atlas of Medieval Settlements of the Hungarian Kingdom 269

## CHAPTER 7

- Gusev D., S. Stafeyev** Visualization and GIS Analysis of Ptolemy's One-Sided Globe in the Old and Modern Contexts 271
- Panecki T., A. Borek, T. Królik** Development of the digital edition of Charles Perthées's cartographic works from the end of the 18th century 289
- Stamnas A., O. Georgoula, P. Patias** Mapping a cinematic journey: Christos G. Sakellaris trip to Greece in 1933 290
- Abstracts of the papers 302
- List of Authors 317