

Contents

<i>Preface</i>	ix
W. Boyd Rayward From the index card to the World City: knowledge organization and visualization in the work and ideas of Paul Otlet	1
<i>1. Challenges in visualization of knowledge</i>	
Scott B. Weingart From trees to webs: uprooting knowledge through visualization	43
Charles van den Heuvel; Richard Smiraglia Visualizing knowledge interaction in the multiverse of knowledge	59
Xia Lin; Jae-wook Ahn Challenges of knowledge structure visualization	73
<i>2. Categorisation for retrieval, exploration and learning</i>	
Lev Manovich Looking at one million images: how visualization of big cultural data helps us to unlearn our cultural categories	89
Kathryn La Barre Sempre avanti? Some reflections on faceted interfaces	91
Nathalie Pinède; Véronique Lespinet-Najib How can users get the gist of a taxonomy using tag clouds?	105
<i>3. Classification, interfaces and information architecture</i>	
Luca Rosati How to design interfaces for choice: Hick-Hyman law and classification for information architecture	121
Andrea Resmini Ghost in the shell: navigation, meaning and place-making in information space	135

4. Visualization and navigation of knowledge structures

Bin Yang; Jean-Gabriel Ganascia

Memory Islands: an approach to cartographic visualization 137

Daniel Hienert; Dennis Wegener; Siegfried Schomisch

Exploring semantically-related concepts from Wikipedia: the case of SeRE 153

Dario Rodighiero; Giorgio De Michelis

The Homer's list or How classifications can be displayed on tablets 167

5. Indexing languages, relationships and visualization

Rebecca Green; Diane Vizine-Goetz; Marcia Lei Zeng, Maja Žumer

From modelling to visualization of topic relationships in classification schemes 177

Wei Fan; Shuqing Bu; Qing Zou

Semantic visualization for subject authority data of Chinese Classified Thesaurus 191

Špela Razpotnik; Alenka Šauperl

Enhancing user browsing success through visualization of indexing terms 207

6. Visualization in collection searching and browsing

Claudio Gnoli; Alberto Cheti

Sorting documents by base theme with synthetic classification: the double query method 225

Fabrice Papy

Classification and visualization: augmenting user independence and enhancing collections use 233

Marcel Worring

Easy categorisation of large image collections by automatic analysis and information visualization 235

7. Visualizing analytics of classification and collection metadata

Matthew Battles; Yanni Loukissas

Data artefacts: tracking knowledge-ordering conflicts through visualization 243

Richard Smiraglia; Andrea Scharnhorst; Almila Akdag Salah, Cheng Gao

UDC in action 259

Posters - Short papers

Veslava Osinska; Joanna Dreszer-Drogorob; Grzegorz Osinski; Michal Gawarkiewicz	
Cognitive approach in classification visualization: end-user study	273
Nuno Freire	
Visualization and navigation of knowledge in pan-European resources: the case of The European Library	283
<i>List of contributors</i>	289
<i>Subject index</i>	291
<i>Organization: International UDC Seminar 2013</i>	299