Contents

Preface ix
Michael K. Buckland
Classifications, links and contexts: keynote address 1

1. Past and future perspectives on subject data assets
Barbara B. Tillett
Complementarity of perspectives for resource descriptions 19
Maria Inês Cordeiro
Libraries, classifications and the network: bridging past and future 31
Nuno Freire
Library linked data: contributions and role of linked subject data 33

2. Data models and semantic structures
Maja Žumer; Marcia Lei Zeng
Application of FRBR and FRSAD to classification systems 37
Rebecca Green
Relational aspects of subject authority control: the contributions of classificatory structure 39
Violeta Ilik
Distributed person data: using Semantic Web compliant data in subject name headings 53

3. Authority control design and classification
Dagobert Soergel; Denisa Popescu
Organization authority database design with classification principles 69
Ulf Schöneberg; Wolfram Sperber
Machine-learning methods for classification and content authority control in mathematics 83
4. Classifications in subject access authority control

Marie Balíková
Subject authority control supported by classification: the case of National Library of the Czech Republic 97

Jiri Pika; Milena Pika-Biolzi
Multilingual subject access and classification-based browsing through authority control: the experience of ETH-Bibliothek, Zürich 99

Ana Vukadin
The development of a classification oriented authority control: the experience of National and University Library in Zagreb 111

5. Strategies and innovation with classification in libraries

Victoria Frâncu; Liviu-Iulian Dediu
TinREAD – an integrative solution for subject authority control 123

Olívia Pestana
Alignment in medical sciences: towards improvement of UDC 135

Claudio Gnoli; Rodrigo De Santis; Laura Pusterla
Commerce, see also Rhetoric: cross-discipline relationships as authority data for enhanced retrieval 151

Koraljka Golub; Joacim Hansson; Dagobert Soergel; Douglas Tudhope
Managing classification in libraries: a methodological outline for evaluating automatic subject indexing and classification in Swedish library catalogues 163

6. Issues and opportunities for classification data

Attila Piros
Automatic interpretation of complex UDC numbers: towards support for library systems 177

Andrea Scharnhorst; Richard P. Smiraglia; Christophe Guéret; Alkim Almila Akdag Salah
Knowledge maps for libraries and archives - uses and use cases 195

Shenghui Wang; Rob Koopman
A second life for authority records 197
Posters - Short papers

Nuno Freire; Valentine Charles; Antoine Isaac
Subject information and multilingualism in European bibliographic datasets: experiences with Universal Decimal Classification 201

Suzanne Barbalet
Enhancing subject authority control at the UK Data Archive: a pilot study using UDC 203

Elena Cardillo; Iryna Solodovnik; Maria Taverniti
Towards the creation of integrated authority files in the domain of science and technology: an Italian use case 213

Andreas Ledl
The BAseI Register of Thesauri, Ontologies & Classifications (BARTOC) 221

Darija Rozman
Experience with UDC updates: the Slovenian perspective 227

Agnieszka Maria Kowalczuk; Łukasz Skonieczny; Małgorzata Wornbard
Visualization of a library collection based on UDC: research in the Warsaw University of Technology Main Library 233

Alenka Šauperl
UDC as a standardisation method for providing titles of documents 235

List of Contributors 237

Subject index 239

International UDC Seminar 2015 Organization 247