

Table of Contents

Invited Papers

1. *Stavros Christodoulakis* – Trends in Digital Cultural Heritage Management and Applications.....17
2. *Krassen Stefanov* – Digital Libraries as a Social Media.....26
3. *Maria Nisheva-Pavlova, Nicolas Spyrtos, Peter Stanchev* – Museum Collections and the Semantic Web.....33
4. *Carlo Meghini* – Preserving Linked Data.....40
5. *Dominique Laurent* – Supporting and Enhancing Research on Cultural Heritage in France: the PATRIMA Project.....41
6. *Giuseppe Amato, Fabrizio Falchi, Fausto Rabitti, Lucia Vadicamo* – Aggregating Local Descriptors for Epigraphs Recognition.....49
7. *Jiří Rákosník, Peter Stanchev, Radoslav Pavlov* – Recent Developments in Digital Mathematics Libraries.....59

Full Papers

8. *Hoonjong Kang, Elena Stoykova, Nataliya Berberova, Jiyong Park, Youngmin Kim, Joo Sup Park, Sunghye Hong, Branimir Ivanov, Dimana Nazarova, Nikola Malinowski* – Digital Holographic Printing Methods for 3D Visualization of Cultural Heritage Artifacts.....69
9. *Vladimir Georgiev* – A Web Application for Creating and Presenting 3D Object Expositions.....79
10. *Todor Todorov, Nikolay Noev* – Technology of Three-Dimensional Scanning “Structured Light”87
11. *Ovidiu Turcoane* – Linked Data, JSON-LD and the Semantics of Cultural and Scientific Heritage.....95
12. *Stefan Bozov, Elena Zaharieva-Stoyanova* – XML-based Approach for Digital Representation of Knitting Patterns.....106

13. <i>Ildikó Deák, Zsolt László Márkus, Tibor Szkaliczki, Gábor Kaposi, György Szántó, Miklós Veres, Zsolt Weisz</i> – Mobile Interpreting of Heritage Values in Historical Cemeteries.....	115
14. <i>Desislava Paneva-Marinova, Maxim Goynov, Detelin Luchev</i> – Towards Wider Sharing of Iconographical Art Content.....	127
15. <i>Konstantin Rangochev, Margaret Dimitrova, Maxim Goinov</i> – Encyclopaedia Slavica Sanctorum: Further Developments.....	135
16. <i>Desislava Paneva-Marinova, Lilia Pavlova, Vladimir Sapundjiev, Maya Bogdanova</i> – Interactive Environment for Digital Preservation and Preservation of Fashion Objects.....	147
17. <i>Iva Burešová, Jarmila Štruncová</i> – Open Access at the Academy of Sciences of the Czech Republic and Czech Digital Mathematical Library.....	155
18. <i>Ralitsa Dutsova</i> – Web-based Software System for Preservation of Language Cultural Heritage.....	165
19. <i>Ivan Derzhanski, Olena Siruk</i> – Animal Metaphors and Idioms in the Corpus of Bulgarian and Ukrainian Parallel Texts.....	173

Short Papers

20. <i>Galina Bogdanova, Todor Todorov, Nikolay Noev</i> – Protection of Semantic Organized Data. Encryption of RDF Graph.....	183
21. <i>Evgeniya Rusinova</i> – Digitalization: Options and Approaches Toward the Issue of the Right Solution.....	189
22. <i>Todor Cholakov, Dimitar Birov</i> – Using Virtual Disks and Hamming Code for Data Preservation.....	194
23. <i>Fabian Hollaus, Ana Camba, Stefan Fiel, Sajid Saleem, Robert Sablatnig</i> – Manuscript Investigation in the Sinai II Project.....	200
24. <i>A. Mathys, J. Brecko, P. Semal</i> – Cost Analyse of 3D Digitisation Techniques.....	206
25. <i>Peter Sharlandjiev, Dimana Nazarova, Nataliya Berberova</i> – Digital Image Denoising by Adaptive Median Filtering and Wavelet Transform.....	213
26. <i>Kristina Varbanova-Dencheva, Radostina Todorova</i> – National Infrastructure for University Repositories Possible Model.....	218

27. *Stefka Kovacheva* – How to Incorporate New Knowledge in the History Courses for 4th and 5th Grade Pupils.....224

Project Papers

28. *János Pancza* – ELDORADO Project. A Major Upgrade of National Library Services in Hungary.....237
29. *Jaén Espinosa* – PanamaTipico.com: a Born Digital Initiative for Researching and Preserving Panama’s Cultural Heritage.....241
30. *Radovesta Stewart, Mariya Monova-Zheleva, Yanislav Zhelev, Lubomil Draganov* – Coins from the Burgas Bay: Creation of a New Digital Numismatic Content in the Internet Representing the Economic and Cultural Development of Burgas Region from Ancient Times to the Present Days.....247
31. *Magdalena Stoyanova, Desislava Paneva-Marinova, Lilia Pavlova, Radoslav Pavlov* – The IFIDA Project: Intelligent Fast Interconnected Devices and Tools for Applications in Archaeometry and Conservation Practice.....256
32. *Kalina Ivanova, Galina Bogdanova, Kaloyan Zdravkov, Radoslav Pavlov, Desislava Paneva-Marinova* – Project "North +": documenting, preserving and providing public access to the cultural heritage in libraries, museums, archives and galleries in North and Central Bulgaria.....263
33. *Galina Bogdanova, Donka Koleva, Pavel Hristov* – Interactive Cultural Map of Veliko Tarnovo Municipality as a Part of the eCity Platform Veliko Tarnovo.....270
34. *Nadya Vladimirova, Robert Badichah* – Preservation of the Cultural Heritage of the Armenians in Diaspora. The Role of the Church in Preserving the Cultural Heritage: The Example of the Armenians in Rome, Italy.....276
35. *Olaf Slijkhuis* – Mass Digitization of a Scientific Biodiversity Collection.....283
36. *Anelia Krandeva* – Digitizing of Bulgarian National Radio Archives.....289
37. *Detelin Luchev, Stanislava Slavova-Petkova, Maria Dimova* – Gaming Platform for Training on Bulgarian Traditional Costume.....295

Demos

38. *Simeon Marlokov, Vanina Bozhilova, Maria Karadecheva* – A Virtual Museum.....299
39. *Plamen Sabev* – Development of an Online Computer Game for the Visitors in Exhibition Halls of the Archaeological Museum – Veliko Tarnovo.....301

Autumn Training School. Development and Promotion of Open Access to Scientific Information and Research - Lecture Notes

40. Short presentation of the Autumn Training School. Development and Promotion of Open Access to Scientific Information and Research.....305
41. *Iryna Kuchma* – Key Aspects and Approaches of Open Access, Open Data and Open Science.....314
42. *Ivo Grigorov, Petr Knoth, Iryna Kuchma, Birgit Schmidt, Najla Rettberg, Eloy Rodrigues* – Importance and Benefits of OPEN SCIENCE for Ubiquitous Sharing, Dissemination and Impact.....322
43. *Peter Stanchev* – Business Models for Open Access. Copyright and Licensing under Open Access.....324
44. *Bhanu Neopane* – Open Access Strategy of UNESCO.....325
45. *Sarah Callaghan* – Open Research Data.....331
46. *Iryna Kuchma* – Policy Framework and Roadmap for Open Access, Open Research Data and Open Science.....333
47. *Eloy Rodrigues* – Open Access to Publications and Research Data in Horizon 2020: What Are the Requirements and How Can Institutional Repositories and OpenAIRE Help to Meet Them?.....353
48. *Mariela Deliverska, Guenovewa Jecheva, Yanita Zherkova, Peter Stanchev, Radoslav Pavlov* – The Fifth National Information Day: Open Access to Scientific Information and Data.....361