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Digital Preservation and Metadata: Two Inspiring Subjects for Doctoral Students at iPres and DCMI 2013

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Last year two important, and already “traditional”, conferences for the digital world (iPRES and DCMI) were jointly celebrated in Lisbon from September 2nd to September 5th 2013. The Dublin Core Metadata Initiative (DCMI) and the iPres community are well known for their interest in promoting research and for its wiliness of incorporating newcomers and new generations of stewards in the digital realm. So, co-locating those conferences together was strategic to attract doctoral students and new researchers, organizing also a **Joint Doctoral Symposium iPRES-DCMI 2013** as one of the pre-conference activities and workshops on September, 2nd 2013.

The main goal of this Doctoral Symposium was to support and encourage next generations of young researchers in both subjects (metadata and digital preservation) by providing an excellent academic landscape for presentation and discussion on their dissertation research in progress. This way, we appointed an International Doctoral Symposium Committee of important faculties and professors belonging to DCMI and/or iPres communities that reviewed all submissions from the students to be presented in the Symposium, at the very beginning of the conferences.

This Doctoral symposium was conceived as a setting for discussion of doctoral students' research projects with senior researchers and iPres/DCMI communities attending the symposium. This forum provided doctoral students the opportunity to present their research and to engage in constructive critique and mentoring. A further objective of this special DCMI/iPres session was to act as a platform initiating international contacts between doctoral students as well as researchers that may enable future collaboration.

The international committee of outstanding professors and researchers in both communities (preservation and/or metadata) reviewed all the submissions, and several of them acted also as respondents to the student presentations during the doctoral symposium on September 2nd. Participants were selected by the committee on the basis of extended abstracts of their doctoral research. Their submissions were judged on their soundness, correctness, and originality, and on the potential for benefit to their research in progress. Finally, the committee selected 8 works for presentation at the pre-conference event. All the eight students, from diverse institutions (mainly European and North American Universities) presented their thesis projects and doctoral research, showing their ideas, findings and prospective work and responded to questions, comments and reflections form committee members' and other students and participants at the symposium (See the programme of the symposium at the end of this editorial note).

Following the Doctoral Consortium, students selected to participate in the event were given the opportunity to revise their extended abstracts based on the committee and other participants' comments during the symposium and submit a short paper for publication in this *Special Issue of the IEEE Bulletin*, after revision and including all the feedback they received. Finally five of the eight participants of the Doctoral Symposium decided to submit their new versions of the papers in this Special Issue.

The five papers that the reader of this Bulletin can see represent some of the hot topics of the current research in metadata and/or in preservation and also the maturity of the research. One of the main topics is scholarly communication challenges in the realm of eScience, within scientific practices driven by the data deluge. In this sense, Miksa's work refers to another important challenge for eScience: make it sustainable in order to provide means for ensuring correct interpretation of research artifacts in the future. His research aims at enhancing the sustainability of both eScience data and eScience processes. Murillo's work completes the approach examining infrastructure and interoperability elements that facilitate or interfere with data sharing and reuse, focusing her research in the DataONE project. Strodl's presentation dealt with the preservation or better, the sustainability of processes analyzing different approaches which include also metadata. Finally, Melgar's research covers a metadata and annotation problems in the film heritage. Her objective is developing an understanding of the role of social annotations for film in order to look into how film archives can support different user communities and facilitate both experts and novices' annotation interaction with film heritage.

I want to finally thank all the members of the Program Committee who took part in the reviewing process and those who participated in the face-to-face symposium in Lisbon, interacting with the students, teaching them and, of course, learning from them.

Senior Researchers and Programme Committee:

Co-chair: Eva Méndez, LIS Department, UC3M, Spain

Co-chair: Artur Caetano, IST/INESC-ID, Portugal

Cristina Ribeiro, Faculdade de Engenharia da Universidade do Porto/INESC-Porto,
Portugal

Andreas Rauber, Vienna University of Technology, Institute of Software Technology
and Interactive Systems, Austria

Jane Greenberg, University of North Carolina at Chapel Hill, USA

Adam Jatowt, Kyoto University, Japan

Steve Knight, National Library of New Zealand, Wellington, New Zealand

Michael Nelson, Old Dominion University, USA

Ana Alice Baptista, University of Minho, Portugal

Mitsuharu Nagamori, University of Tsukuba, Japan

Gabriel David, Faculdade de Engenharia da Universidade do Porto/INESC-Porto,
Portugal

Elsa Cardoso, ISCTE – University Institute of Lisbon, Portugal

Programme. Doctoral Symposium (2nd September 2013)

TIME	PRESENTATIONS AND DISCUSSION	COMMITTEE
9:30 to 11:00	<p>Stefan Pröll. <i>Dynamic Data Citation</i></p> <p>Kresimir Duretec. <i>Simulation enhanced digital preservation: modeling and evaluating DP in terms of systems and processes</i></p>	<p>Cristina Ribeiro Ana Alice Baptista Chair: Eva Méndez</p>
11:00 to 11:30	<i>Break</i>	
11:30 to 13:00	<p>Conor Lynch. <i>Unpacking the Photograph: A model for capturing image metadata using group-sourcing software</i></p> <p>Stephan Strodl. <i>Processes for the Future: Preservation framework for making processes available in the future</i></p>	<p>Gabriel David Artur Caetano Chair: Eva Méndez</p>
13:00 to 14:30	<i>Lunch</i>	
14:30 to 16:00	<p>Angela Murillo. <i>Examining data motivations and inhibitors to data sharing and reuse in the Sciences</i></p> <p>Liliana E. Melgar. <i>Expert tagging behavior: a case study in the film domain</i></p>	<p>Jian Qin Elsa Cardoso Chair: Artur Caetano</p>
16:00 to 16:30	<i>Break</i>	
16:30 to 18:00	<p>Anita Locher. <i>Zero in on future users to assist digital spatial data appraisal</i></p> <p>Tomasz Miksa. <i>Sustainable eScience</i></p>	<p>Mitsuharu Nagamori Eva Méndez Chair: Artur Caetano</p>