

Message from the CEO

Korea is a country with 4 distinct seasons. Among them, the autumn is the most beautiful season with tinged autumn leaves and cool breeze air and blue sky.

I am very proud to say that the National Digital Library of Korea was created to cope and blend in with this beautiful natural scenery. In this harmonious environment, I am honored to have metadata experts from around the world come together and share their expertise with each other and sincerely hope that this can be marked as a moment of great contribution to our greater advancement.

Today, demands on both formats of information and the environment to view and use such information are continuously advancing. In order to meet the constant changes of users' information environment and manage digital information resources, the National Library of Korea has opened the National library of Korea's Digital Library. Our objectives are not only to provide new information service environment on-line but also to provide digital services to our users in a physical space.

We've encountered some challenges. One of the challenges is how the Digital Library is able to create the information environment to correspond to users' fast environmental changes such as mobile environment. Another challenge is how libraries should cope with and adapt to users' changes in the next web environment. Next web, which is being represented by web 2.0, 3.0 and so on, are becoming more and more of social networks.

New means of communication and open environments, such as Twitter, Facebook and other similar services offered, lead one to realize that being connected on the network can also mean that he/she is alive. I believe this creates a new paradigm. Users no longer just talk about their daily lives on their social network sites. Utilizing these types of social services, they exchange information.

As we trust the information provider, we trust the information they provide as well. This can be considered as a new gateway. Users who use these services may welcome this advancement, however, on the libraries' perspective, this will be considered as a challenge.

We believe that discussions on Environmental changes to semantic web, especially on the linked data, will provide us with solutions to the challenges we are facing at this time.

We certainly do need to make the fundamental changes in the current information environment which centers on existing database to organize linked data.

In this sense, I am sure that the topic of this conference "Semantic Interoperability of Linked Data" is very meaningful to us.

I wish all of you the best of luck and prosperity.

Chul Min Mo

Chief Executive, the National Library of Korea

Preface

The year 2009 is a very meaningful year for the history of Korean Library and also for DCMI. For Korea, the necessity to establish a physical space for Digital Library has been proposed in 1998, and the actual construction had taken place since 2005. The National Library of Korea's Digital Library finally had opened its doors to the public in May 2009. The Dublin Core Metadata Initiative (DCMI) has completed the legal steps for incorporation as a public, not-for-profit Company limited by Guarantee in Singapore.

We are honored to have the opportunity to host the Dublin Core Conference in Korea, in such a meaningful year; we especially are excited about a fine collection of work of "Semantic Interoperability" being selected as the theme for this year's conference.

Today, along with "Information Society", with the development of IT, a new aspect in looking at the web (Web X.0), users' simultaneous wants for entertainment and meaningfulness are continuously requiring large tasks to institutions responsible for managing, preserving and servicing information. In such environment, I sometimes can't help but wonder if differentiating trends and megatrends itself is too much.

However, all of us realize that the Semantic Web/System Interoperability is a task which requires all of our continuous efforts. We need to endlessly communicate with resources/materials, systems and users. In the midst of it all, we will continuously be faced with new information resources, integrating heterogeneous systems, and encountering with users' new demands. Whenever we face these challenges, we will, once again, turn to the Semantics and Interoperability.

Dublin Core Metadata has been largely contributing to not only information management and services but also interoperability. I sincerely wish that we can have an advanced discussion and share valuable knowledge in DC-2009 Conference.

I send my most sincere gratitude to the National Library of Korea (NLK), the National Digital Library of Korea (NDL), Korean Library Association (KLA) and the Dublin Core Metadata Initiative (DCMI) for their valuable efforts in making this event possible.

Also, I would like to thank our sponsors FutureNuri, ITballey, CTRIX Korea, Microsoft Korea, SKNetworks, INEK, Oracle and sincerely wish for their prolific advancement.

Weesook Yeo

*Director, Digital Library Planning Division, The National Library of Korea
on behalf of the DC-2009 Host Organisation Committee*



Preface

This year's ninth International Conference on Dublin Core and Metadata Applications DC-2009 has a special focus on Linked Data. The concept of Linked Data, connecting distributed data across the Web, is exactly the same idea that led to the establishment of the Dublin Core Metadata Initiative in the mid-1990s. Since that time, Dublin Core has continued to play an important role in the world of connected data and this year's conference will explore various ways that Dublin Core metadata can support the global trend to better integration of data across borders and professional domains.

Continuing our tradition to hold our conferences in exciting and interesting places, we are excited that the conference is hosted in Seoul by the National Library of Korea, an eminent player in the field of information management in Asia and the world, and we look forward to experience the amazing new building that houses the National Digital Library *Dibrary*.

This is our fourth conference in East Asia after Tokyo 2001, Shanghai 2004 and Singapore 2007. Over the years, East Asia has developed as one of the most important regions for DCMI and Dublin Core applications. We are happy to be back and to be able to offer our conference as a meeting place for researchers and practitioners from the region and from the wider world to share ideas and to discuss common approaches.

Finally, I would like to wish all participants a fruitful and pleasant event!

Makx Dekkers

Managing Director, Dublin Core Metadata Initiative

Introduction

The annual conferences on Dublin Core and Metadata Applications bring together leading researchers and professionals in the global metadata communities as well as any others with general interests in an exchange of practical experiences and theoretical understanding of metadata developments and applications. This year's Dublin Core Conference is scheduled to take place in one of the most "wired" cities in the world - Seoul, Korea.

The DC-2009 Conference delves into the vital theme of the semantic interoperability of linked data. Semantic interoperability of linked data is a key to the process of supporting, publishing and interlinking structured data on the semantic web. It is not surprising that there are heightened discussions on the meaningful collocations and extractions of existing as well as future data within and across organizations. The metadata communities are quick to admit that the connection between data from disparate silos presents them great technical and social challenges.

So I am pleased to announce that the participants at the upcoming Conference will have a feast of eight full papers, five project reports, eight posters, three special sessions and four tutorials. Participants can also expect to listen to exciting keynote speakers including Michael Crandall of the University of Washington, EunChul Lee, President of Korea Library Association and a professor at Sungkyunkwan University as well as Alistair Miles, a member of the informatics team within the Centre for Genomics in Global Health and an editor of the Simple Knowledge Organization System (SKOS) Reference.

The Conference will provide many great opportunities to explore the conceptual and practical issues that are related to the breaking of the constraints of data silos, allowing us to be more cognizant as to how to connect our data, information and knowledge. A particular attention is to be given to the most pressing issues in the area of semantic interoperability of linked data.

As the Chair of the Program Committee I extend my thanks to the National Library of Korea (NLK) and applaud its fine preparations for the Conference as the local host. Many words of gratitude are due to Makx Dekkers for his assistance to keep us on schedule, and my heart-felt thanks are also extended to my colleagues and committee members for their time and support. I am certain that the Conference in Seoul will be a delightful and thought-provoking event for all those who decide to be part of it.

Sam Oh, Sungkyunkwan University

Program Committee Co-Chair, 2009



Conference Organization

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Makx Dekkers, Dublin Core Metadata Initiative
Weesook Yeo, the National Library of Korea

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