

Open Forum 2011

“Next Generation Information and Knowledge Sharing”

Thursday May 12th

9:00 **Welcome Mr. Jim Melton** - SC32 Chairman

9:15 **Practical Considerations for Rapidly Improving Quality in Large Data Collections** - [Mr. Peter Aiken](#) - US, WG2 guest (via telecon)

***Abstract:** While data quality has been a subject of interest for many years, only recently has the research output begun to converge with the needs of organizations faced with these challenges. This paper addresses the fundamental issues existent within existing approaches to improving the Federal Government's data quality (DQ). It briefly discusses our collective motivation, examines three root causes preventing more rapid DQ improvement progress. An examination of "newly perceived" realities in this area leads to discussion of several considerations that will improve related efforts.*

10:15 **Discussion**

10:30 **Break**

11:00 **11179 Ed 3** - [Mr. Ray Gates](#) - CA, WG2

***Abstract:** This presentation will provide an overview of the ISO/IEC 11179-3 Metamodel for Metadata Registries standard, with particular emphasis on the changes in the upcoming Edition 3, including support for Concept Systems.*

11:45 **Discussion**

12:00 **Lunch**

13:30 **Study Report on the Harmonization of MDR/MFI** - Prof. Hajime Horiuchi - Tokyo International University, JP, WG2, Member of SC32 Japan

***Abstract:** This session deals with the final report of the WG2 study project on the issue of the harmonization of fMDR(ISO/IEC 11179) and MFI (ISO/IEC 19763) families of standards. This study result will be taken into account of the new version of MFI Part1 2nd edition (Reference Model), that should accommodate all of the MFI parts that were developed after the publication of the first edition, illustrating the evolution of the meta information technologies and current requirements.*

14:15 **Adaptive's Metadata Registry and interface** - **Mr. Peter Rivett** - US, WG2 guest (via Telecon)

15:00 **Discussion**

15:15 **Break**

15:30 **Evolutionary Progress of Semantic Web Technologies to Information Analytics** - [Dr. Hanmin Jung](#) - KR, WG2

***Abstract:** This talk will show how to improve productivity of researchers as well as to support systematic R&D of technology intelligence service that aim to support decision-making processes for strategic planning. Recently, [CUBIST Pharmaceuticals](#) in the UK and [Foresight and Understanding from Scientific Exposition \(FUSE\)](#) project in US are pursuing the topic of technical emergence and facilitating semantic search in an integrated dataset from metadata and full-texts of literature. About a year ago, InSciTe project in Korea implemented such a system and found several issues that need to be resolved, such as verification of reasoning results, finding relationships among entities and identity resolution in linked data. InSciTe has been implemented by combining semantic web and text mining technologies, analyzes relations among technologies, research agents and research outcomes, and provides services from the viewpoint of discovery, combination and comparison. This year, the service evolving into a service for technical opportunity discovery (TOD). Thus this presentation will focus on the trends of Semantic Web technologies from data modeling to information analytics as well as the above mentioned issue.*

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16:15 Discussion

16:30 Adjourn

Friday May 13th

9:00 Welcome Day 2 – Denise Warzel, WG2 Convenor

9:10 Data.gov - [Mr. Marion Royal](#), US Federal Government, General Services Administration (GSA)
US, WG2 guest (via Telecon)

10:15 Discussion

10:30 Break

11:00 Temporal Extensions to SQL - Part 1: System Versioned Tables - Mr. Krishna Kulkarni - IBM, US, WG3

- *Abstract: Although temporal data management has been a popular research topic for over four decades, it is only recently that SQL databases are stepping up to offer a limited but useful subset of temporal features. This presentation will cover the new features that have been introduced into the new version of ISO/IEC 9075 (SQL) standard currently under development (expected to progress to Final Draft International Standard soon) that are specifically aimed at managing temporal aspects of data contained in tables. These extensions support both system time (popularly known as "transaction time") and application time (popularly known as "valid time") dimensions of data stored in SQL databases*

11:45 Discussion 12:00 Lunch

13:45 Temporal Extensions to SQL - Part 2: Application Time - [Mr. Krishna Kulkarni](#) - IBM, US, WG3

14:30 SQL and noSQL - [Mr. Keith Hare](#) - JCC Consulting, US, WG3

- *Abstract: NoSQL databases (either no-SQL or Not Only SQL) are currently a hot topic in some parts of computing. In fact, one website lists over a hundred different NoSQL databases. This presentation reviews the features common to the NoSQL databases and compares those features to the features and capabilities of SQL databases.*

15:15 Break

15:45 Life Cycle Data Management - **Mr. Takeya Isobe**, Secretary General, LCDM General, LCDM Consortium, Director CTI, JP, Member of SC32WG2 Japan

- *Abstract: LCDM (Life Cycle Data Management) is a concept of the information sharing and its is a mechanism being composed of the metadata registry portal, and the adaptor. In this presentation, it proposes LCDM of the actual introduction of circulating and sharing of natural disaster risk information like flood, earthquake, etc on the Cabinet Office as the case applied to the central government system and sharing information on the used car.*

16:30 Discussion

17:00 Adjourn