Semantic Web and Digital Libraries

http://drtc.isibang.ac.in/icsd

Indian Statistical Institute

Documentation Research and Training Centre

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Documentation Research and Training Centre
Indian Statistical Institute, Bangalore, INDIA

Theme

The proliferation of digital resources poses an unprecedented challenge to information professionals in generating efficient information services. Most patrons approach the Internet for the digital content but have no clue how to retrieve pertinent information and this has led to a demand for organized information services and resulted in digital library and institutional repositories. Technology and tools have to be deployed for harnessing the content and for retrieval of information from the mass of unorganized resources.

Semantic Web Technologies is an area that has invoked much research interest and aims at efficient information representation and retrieval. The aim of semantic web is to build conceptual relations for machine interpretation that eventually will lead to efficient knowledge mapping and organization techniques. However, research in Semantic Web is being understood and experimented in different areas differently and one of the most pertinent applications would be in the area of Information Retrieval. Search and retrieval mechanism in Digital Libraries (DL) are moving slowly towards becoming semantic. Interoperability between digital libraries has to be based on Semantic Web principles, in order to achieve meaningful user-machine interaction.

Documentation Research and Training Centre(DRTC), Indian Statistical Institute(ISI), Bangalore, has a long research interest in knowledge organization techniques including its seminal contribution in the form of Prof. S.R. Ranganathan's faceted approach to classification. In recent times DRTC has applied the classical theory to practical modeling in the area of Information Retrieval. The team at DRTC has experimented with application of Artificial Intelligence (AI) techniques in IR and has demonstrated systems in automatic classification and indexing. With this experience and as part of the Indian Statistical Institute Platinum jubilee celebrations, DRTC/ISI announces International conference on Semantic Web and Digital Libraries. The objective is to bring together the best expertise in the areas of Semantic Web and Digital Libraries from leading initiatives worldwide.

Themes include: (but not limited to)

- Digital Libraries
- Digital Resource Organization
- Technology issues in Digital Services
- Design of Digital Information Services
- Retrieval issues in digital environment
- Standards and Specifications for Digital objects
- Metadata standards, Interoperability and Crosswalks
- Knowledge Organization and Ontologies
- Semantic Web Technologies and Digital Libraries
- Semantic Web and Information Retrieval
- Architecture for Semantic Web
- Technology and Semantic Web Modeling tools
- Intelligent Agents in Semantic Retrieval

- Semantic Portals and Semantic Web Services
- Vocabulary and Taxonomy development
- Tools and Techniques for managing digital repositories
- Digital Resource Management Strategies
- Content Development: Policies
- Content Development: tools and techniques
- Technology issues in Digital Services
- Resource Media and formats
- Multilingual Digital Libraries
- Patron interaction and facilitation tools
- Digital Library applications and case studies
- Digital Library and Semantic Web Projects and Case Studies

Format

The conference aims to explore the topics in themes and sub themes through tutorials, workshops, demonstrations, Invited talks and presentations. Eminent researchers and academicians will be invited to deliver theme papers and invited talks on select topics.

Call for papers

Original papers in English are invited on a theme related to those mentioned above. An international review panel will review the papers based on originality of the work, quality and relevance to the main theme of the conference. Peer reviewed and accepted papers will be published in the conference proceedings. The papers should follow the submission instructions that will be furnished along with acceptance note and also on the conference website.

Important Dates

Submission of full papers	September 15th 2006
Notification of acceptance of paper with comments	October 31st 2006
Submission of the final paper after incorporating comments	November 30th 2006

Contact and Enquiries:

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