

International Conference on Digital Libraries (ICDL 2010)

Shaping the Information Paradigm

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Fading reading interest: a matter of concern....

Prof. Parvin Sinclair sensitizes the delegates

The first plenary session was chaired by Prof. Parvin Sinclair, PVC, IGNOU. Dr P Anandan, Managing Director, Microsoft Research India in his keynote address on 'Looking beyond movies: digital videos as an information source' emphasized on the uses and types of videos. Videos are now used for recording surgical operations which can be used to train medical specialists. These videos give hands on experience and first hand information to younger professionals in medicine. The tools can be used by scientists to see the scientific

observations that were held many years ago. In astronomy also, the videos are playing an important role to record the space movement at a particular time like movement of planets, stars, etc. He described three types, i.e., storytelling, personal videos and observational video. In his talk he mentioned about the creation of metadata and information retrieval by citing examples of retrieving same type of images in movies, etc., although he explained about the limitation in terms of incorporation of very little metadata, no categorization, limited and adhoc tagging. He discussed the role played by TRECVID, National Institute of Standards, USA. The institute is promoting content based information retrieval facility in videos. According to him, the technology is still at primitive stage and has scope for advanced research. He explained that the role of video is not restricted to entertainment but extended to education and training like youtube, scientific and medical observation, astronomy, social communication.

Prof. Parvin Sinclair, in her concluding remark, raised a serious issue of lack of interest in reading among the younger generation. ■




















Experts Grapple with Networking and Standardization Issues and ... Breakfast

Breakfast sessions are being organized everyday to discuss issues related to digital libraries to be resolved and presented in the recommendations. The session moderated by Prof N Balakrishnan involved the participation of some eminent experts in the area.



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From Stein to Jacaranda... Jacaranda to Silver Oak... discussions, deliberations and interaction mark the technical sessions

The session, Role of digital libraries in education, cultural, social and economic development, chaired by Prof S B Ghosh, was very well attended. Deanna B Marcum in her lecture, 'Digital Libraries: new roles, expanded opportunities' talked about digitization of million of books by Google and Amazon. She also discussed the digital library development with special emphasis to World Digital Library. Dr Akira Maeda in his lecture 'Digital Humanities in the context of digital libraries' defined digital humanities, differences and the relationship between the Digital Humanities and Digital Libraries. He discussed some of the research projects undertaken by his university like digital library of Kyoto studies ('Hyohanki' database); National library of Mongolia and Digital Museum of Japanese History.

Information retrieval for global access, chaired by Dr Peter Schirnbacher started with the talk of Edie Rasmussen on 'The Indexer's Legacy: promoting access to a million books'. She commented on the dramatic increase in modern and print material in digital form that has raised issues in indexing.

Nabi Hasan discussed 'Z39.50 and its application in Library and Information Science'. The popularity of Z39.50 among the world over was discussed.

DL and open access management, chaired by Dr R K Chaddha had one invited speech by Dr Peter Schirnbacher, 'On the way to a worldwide visible to open access repository' discussed about the role, visibility and perspectives of repositories. C Valarmathi in her lecture on 'Open access to open mind?' talked about types and ten flavors of open access. 'Open access and INFLIBNET's initiative for Indian scholarly contents', lecture by Dr Rajesh Chandrakar. He discussed the Indian initiatives taken in Open access with especial emphasis on INFLIBNET initiatives. Dr Leila Fernandez in her lecture on 'Promoting open digital scholarship-a Canadian library perspective' talked about the policy developed by Canadian Institutes of Health Research. She described the

approaches used to introduce researchers for self archiving and publishing options to meet funding requirements, role of librarians was also discussed.

Prof Khaizer Nikam chaired the session, DL Collaboration, cooperation and networking. Eld Zierau started the session by giving lecture on 'Cross institutional cooperation on a shared bit repository'. She talked about the shared bit repository in OAIS system and its architecture for national bit repository and said that the goal is to receive bit and deliver bits in intact form. Fatemah Lagzian lecture is PhD work on the topic 'Information support through resource sharing in Iranian digital libraries: challenges and opportunities'. Dr Ahmed Taha in his lecture on 'Networked library, virtual research community and research queries processing said that librarian in digital library should bring closer together the four things, i.e., convenient access, expert search, retrieval quality and use information in knowledge base. The concluding lecture was by Dr B B Chand on the topic 'Building an e-research infrastructure with collaborative workplace environment', explained about e-research, its tools eg sakai and role of libraries in facilitating y research.

The next session was chaired by Prof. A R D Prasad. The invited speakers in the session were Jean-Marc Comment, Elena Maceviciute and Vidya Natapally. The session started with the paper of Mr Comment on 'Preservation of Digital Documents: some results of our implementation' giving detailed account of project planets its importance, various approaches to digital preservation with the planning, services, actions, interoperability framework and out reach or test bed of the project. She also informed that many other projects of digital preservation like MIDESS, DRAMBORA, etc., were evaluated before working on SHAMAN.

The third paper titled as 'India Digital Heritage Project' was presented by Vidya Natapally as a case study of Andal temple at Srivilliputhur in Tamil Nadu. The session ended with a note of thanks to the speakers by the chair person.

The next session chaired by Prof. Stefan Gradman opened with an inspiring lecture by

invited speaker, Prof. Michael Fraser on 'Knowledge Ecology'. His paper proposed the need for a new knowledge infrastructure and a virtual content supply network. He attempted to point out the potential benefits of this new virtual content supply network to various stake holders. First contributed paper of the technical session was presented by Ms Isabella Peters on 'Joining Knowledge Representation and Knowledge Management in Digital Libraries'. Her presentation dealt with different knowledge organization systems (KOS) to support corporate knowledge management systems (KMS), namely digital libraries. She discussed how classical KOS are able to reflect explicit knowledge in sense of the semantic web and will introduce persons as documents and folksonomies as a means for externalising implicit knowledge in sense of the Web 2.0. Second paper of the session was by Md. Roknuzzaman on 'A Framework of Knowledge Management Education in Digital Library Learning'. Last paper of the second session was by Prof. Nilay M. Yajnik on 'Knowledge Management and Organizational Digital Libraries'. He tried to showcase this with the help of examples of some innovative digital library projects of India.

Technical Session 3B was on 'User Studies and Evaluation' session was chaired by Dr Subhash Deshmukh. Session started with an invited paper by Alejandro Bia on 'Towards a Universal Digital Library of Knowledge Commons by Enriching User Experience and Improving Web Services'. In his presentation he attempted to discuss the changes in Web2.0 and its impact on digital libraries. It was followed by second invited paper by Mr Andreas Rauber on 'Digital Preservation: From Large-Scale Institutions via SMEs to Individual Users'. His presentation examined digital preservation as one of the urgent challenges in our digital information society. Session further moved on with first contributed paper by Dr N R Ramdasi on 'Evaluating Digital Documents'.



He suggested different criterion for evaluating digital objects and then concluded his paper by citing certain merits and demerits of this evaluation categorization. Second contributed paper was presented by Mr S M Shafi on 'User Involvement in Co-construction of Knowledge: A Case Study of Digital Library of Flora (JKFlora)'. He deliberated upon issues and challenges faced in co-building of knowledge in the web environment, by and for different users on an open platform.

The session chaired by Prof. J N Gautam had invited speaker Michael Seadle and the contributed speaker Abhijeet Sinha.

Michael Seadle delivered the presentation entitled: 'Open access and the end of Copyright.' His overall focus was on copyright legal issues in respect of commercial publishers. In his presentation he stated the incentive for creating Institutional Repository that includes desire to communicate ideas the quest of fame and social states.

Second and last paper was presented by Abhijy Sinha entitled 'Digital Libraries and Intellectual Property Rights.' Mr. Sinha made comparison between earlier libraries and present Libraries, then he talked about IPR and its components and thrown the lights on Indian Copyright Act, International Treatise of copyright protection. He explained the DMCS (Digital Millenium Copyright Act) and also stressed on Digital Right managements.

The session chaired by Prof. Dr (Mrs) S P Singh had two papers. Dr R Raman Nair presented the paper titled 'Nitya Archive: Software for full text Digital Libraries in Indian Language', tracing historical account for the need of the digital library software in Indian language. The Nitya is primarily developed using the MISIS and UNICODE. He informed that other initiatives have also been taken in Kerala for digital preservation in State Universities, State Archive, Trivandrum Public Library and other business houses, the important one is Mathurbhoomi – a project of digitization Mathrubhoomi Weekly (Malyalam) published since 1923. The second paper titled 'E-resources at the Ananda Ranga Pillai Library, Pondicherry University: an analysis' was presented by Dr Rekha R Verghese, giving account of Ananda Ranga Pillai Library, its subscribed e-resources of books, journals and databases accessible through library portal.

Ms Rebecca B Vargha, chaired the first technical session of track D on digital libraries development architecture and management. Mr Reagan W Moore and Mr Arcot Rajasekar were invited speakers for the session. Mr Rajasekar presented his paper on enabling policies in distributed data management. He observed that the management of very large data collection for digital libraries and digital preservation system is labour intensive, requiring administrative attention to data curation, distribution, retention and disposition task, maintenance of integrity and validation of authenticity,

enforcement of chain custody, and application trustworthiness assessment criteria. Ajit Sonawane presented his paper on Service-Oriented Architecture for Digital Library Management System. He focused at the potential of Service Oriented Architecture (SOA) to vastly improve digital library efficiency. SOA provides flexibility and improves performance, communication and collaboration between the different phases of library management and distributed and remote libraries. The third speaker of the session was Mr Sharbani Ranjan Kundu. He pointed out the differences between a traditional library, hybrid library and a digital library. The development, architecture and management of a typical digital library was also discussed.

The second session on DRM and access management was chaired by Prof. J L Sardana. The keynote speaker of the session, Denise Troll Covey spoke on the Ethics of Open Access and Copyright Infringement. Her paper examined the movement to provide free online (open) access to scholarly journal articles as civil disobedience, a heretical challenge to the orthodox ideology of the IPR law and the tradition of copyright transfer to a publisher. But as it contribute to the common pool of knowledge, and it accelerates research and innovation and thereby contributing to the public welfare, the civil disobedience of the OA movement is morally justified as the act guided by the conscience of otherwise law-abiding citizens. The second paper, 'Protecting the originality of student work: how preventing plagiarism is critical to education in the digital age', presented by Steve Golik addressed the issues of plagiarism, especially in academia in the scenario of widespread IT literacy and proliferation of information on the Internet. As a remedy to this, he introduced and recommended the anti-plagiarism software 'Turnitin', which he says is, designed to accept papers from students, produce reports on its originality value, detect content copied from a number of databases and websites. He highlighted the major plus points of Turnitin as its ability to integrate with major LMSs and support more than 30 languages. Dhanalakshmi S Subramanian, in her paper 'Digital Rights Management', shared her anxieties on the online challenges of E-library development in the governemnt sectors and protection of the original digitized post doctoral



medical theses from violation of copyright act and misuse. Ms Geeta G Gadhavi in her paper focused on digital rights management: especially for Institutional Repository of Gujarat University (GUIR). She discussed the prime objectives along with the policy and responsibility criteria proposed to be adopted for GUIR. In the conclusion, she expressed willingness of the University to make GUIR globally accessible, with the advent of DRM, though it will be available only for the Gujarat University and collaborative institutions at the initial level. The last paper of the session, presented by Dr Murali M Rao, observed that providing security for digital library resources is a challenging task in terms of availability, authentication, access control, confidentiality, and integrity. He proposed a three layered approach to protect the resources of a digital library through monitoring of sensitive resources at network, system, and service/application levels which he expects to minimize the risk of the resources of the DL.

This session was chaired by Prof. Arcot Rajasekar, University of North Carolina, USA. Ms Anne—Maria Di Sciuillo spoke on information processing and points out that knowledge rich information processing systems will enhance the performance of information processing, including the processing of information in the area of digital libraries. She discussed an approach to using rich natural language knowledge in information systems performing information retrieval, pronominal anaphora resolution, question answering, and



information extraction for text mining. Ms Binu Chaudhuri in her paper, global e-library services in Novartis Knowledge center-meeting world wide information needs at Novartis focused on the fast changing user needs and worldwide industry challenges. She described the new e-models and its role for the NKC service group in Novartis. She also provided the details on how the service group empowers end users to locate needed resources and produces a positive impact on the company's success. The third paper of the session was presented by Ms Reeta Sharma on electronic resources management systems in TERI. She meticulously highlighted the nature, role and services of TERI digital library in electronic environment. Mr S C Saxena in his paper, e-journals service to DRDO scientists through consortium approach discussed about the DRDO e-journals service and some important issues related to DRDO e-journals consortium. He suggested that consortium approach for providing e-journals service is very cost-effective and best way of providing wider accessibility of e-resources.

The last technical session of the Track D was chaired by Dr R K Bhatt, Head, Department of LIS, University of Delhi. The keynote speaker of the session, Mr Ramesh C, Gaur delivered his lecture on Digital Preservation and Access to Manuscript Heritage of India: a case study. He highlighted the various initiatives started by Indira Gandhi National Centre for the Arts (IGNCA) for preserving the manuscripts of national importance. He raised various issues such as intellectual property rights, permission rights and open access vs. restricted access. He stressed that digital preservation may be the right way for long term preservation of archival holdings. The second paper was presented by Ms Sudatta Chowdhury on Digital Libraries: A New Paradigm Shift with Some Issues and Challenges. She reported a three-year research project on digital libraries focusing particularly on how information overload in the digital environment creates uncertainty among users and how such uncertainty can be measured. She also touched upon the issues like information needs and information retrieval in the digital environment. The last paper of the day was presented by Ms Kamani Perera on Development of Digital Libraries: Old Wine in New Bottle. She tangibly explained the nature, role and significance of digital libraries in the electronic environment to meet the information needs of the users. She also defined the changing role of librarian's in the electronic environment.

Recommendation Committee Meets

A meeting of recommendation committee was held to deliberate upon various issues, viz., Policy for document selection for digitization, accessibility of Digital library by the mass and

Preservation of documents .Some issues were identified for further discussion.

Poster Award Committee Meeting

The Poster award committee meeting chaired by Dr Jean Marc Comment was held to discuss grading standards for poster selection, viz., originality, relevance and presentation and writing quality. Forty participants displayed their posters during the day.



A performance from the cultural show

Ministry of Human Resources Development through its various initiatives is seriously striving to provide the benefits of digital libraries to various stakeholders in the education setup. The various goals set up by our country in reaching the un-reached in teaching and learning would be effectively facilitated by technology enabled off campus education solutions through pragmatic application of ICT solutions such as digital libraries. In view of relevance of web based applications in Open and Distance Education, it is a step in the right direction for IGNOU to be attached with this important event on digital libraries.

SMT. PURANDERASHWARI, MOS,HRD.

FACE TO FACE

ICDL representative spoke to Ms Anne Caputo, President SLA and Jeanette Reagan, of Reagan Research Services. Some excerpts.



Ms Caputo



Ms Reagan

ICDL How do you find the sessions?

Jeanette It is too early but till now the speakers have been effective and audience well informed

ICDL Do you find the topic relevant?

Anne It is an emerging area which the professionals need to understand. The presence of several partners from different areas would result in meaningful interaction and good implementation.

ICDL How much international participation you find here?

Jeanette It is a good international participation and a terrific response with lot of publicity.

Anne Several participants from other countries were really eager to participate. ICDL has good standing.

ICDL What are some important issues before the profession globally?

Anne Globalization, distrust economy, downsizing, disintermediation of services, disruptive technologies and increased competition from private vendors are some important issues.

ICDL Are you looking forward to institutional tie-ups with Library Associations in India.?

Anne We provide interaction between individuals. But we are open to co-ordination with Indian library associations.

ICDL Don't you think Google is taking over everything including library services?

Anne Yes, it is happening and libraries need to diversify to meet the challenge. The need to open themselves to communities .They need to widen the scope of their services and offer different services.

The ICDL representative spoke to Deanna Marcum, Associate Librarian for Library Services, Library of Congress. Some excerpts.



Ms Marcum

ICDL How do you find the conference?

Deanna Very interesting, I am thoroughly enjoying it. It provides an opportunity to know what work is being done in India and also the problems faced by the professionals here.

ICDL How is the participation?

Deanna There are quite a few colleagues from abroad, majority of them from India.

ICDL How relevant is the theme of the conference?

Deanna The theme has a worldwide importance. I am working in the recommendations committee also. We are discussing points and problems that are universal in nature.

ICDL There is a talk of increasing Googlization of information. Has it affected Library of Congress too?

Deanna Yes, if they digitize 11 million books, it is bound to affect, why will people come to libraries. But then we have to innovate to attract them.

ICDL Is disintermediation a threat to libraries?

Deanna I don't think so, people like to be independent. They like to look for information themselves. Libraries and librarians see this as a threat.

ICDL How is Library of Congress planning to diversify?

Deanna We need to bring in young professionals, they are more technology savvy, they understand the digital world better to apply to provide improved services.

ICDL What are the other activities of Library of Congress towards improving the profession?

Deanna We work in the area of standards, policies, digital preservation. We also invite professionals to the library and teach them what do.