



**ACM IEEE Joint Conference on Digital Libraries
Workshop on International Scientific Data, Standards, and Digital Libraries
June 10-11, 2005
Denver CO**

Agenda

Friday June 10, 2005

2:00 pm. Workshop Overview: Challenges & opportunities for international scientific data activities, standards, and digital libraries; Laura Bartolo, Kent State University (USA)

Discipline-specific international standards activities in scientific and technical data

- 2:15 p.m. Data standards for the International Virtual Observatory (Astronomy); Robert Hanisch, Space Telescope Science Institute (USA)
- 2:55 p.m. Biodiversity data standards; Vivian Hutchinson, U.S. Geological Survey (USA)
- 3:15 p.m. Crystallographic data interchange format; David Brown, McMaster University (Canada)
- 3:35 p.m. Exchanging technical product data; Sharon Kemmerer, National Institute of Standards and Technology (USA)
- 3:55 p.m. Coffee
- 4:15 p.m. Implementing MatML toward sharing materials information on the net; Yoshio Monma, Kochi University of Technology (Japan)
- 4:35 p.m. Geographic mark-up language; David Burggraf, Galdos Systems (Canada)
- 4:55 p.m. Standards for the publication of scientific data by World Data Centres and the National Library of Science and Technology in German; Jan Brase, University of Hannover (Germany)
- 5:15 p.m. Discussion of international standards activities for S&T data and metadata: Speaker panel
- 5:45 p.m. Adjourn for day



Saturday June 11, 2005

Scientific discovery in the context of digital libraries

- 8:30 a.m. Semantic Web & digital libraries as knowledge systems; Deborah McGuinness, Stanford University (USA)
- 9:10 a.m. Data-centric view in eScience information systems; Gregor Erbach, German Research Center for Artificial Intelligence (Germany)
- 9:30 a.m. Scientific mark-up languages for uplifting a digital library to knowledge archive; Toshihiro Ashino, Toyo University (Japan)
- 9:50 a.m. MathML and digital libraries; Timothy Cole, University of Illinois at UC (USA)
- 10:10 a.m. Coffee
- 10:40 a.m. Understanding and using standards; Robbie Robson, EduWorks (USA)
- 11:00 a.m. Scientific discovery and large-scale databases; John Rumble, Information International associates (USA)
- 11:20 a.m. Discussion of knowledge discovery and scientific digital libraries: Speaker panel
- 12:00 noon Workshop end