WebWise 2011

BALTIMORE

Science Technology Engineering + Math (STEM)

in Education, Learning, and Research

MARCH 9 – 11, 2011

Welcome to WebWise 2011!

Since 2001 WebWise has brought together creative and energized library and museum leaders and information science professionals to explore the frontiers of new technologies and the opportunities they present.

This year the focus on science, technology, engineering, and mathematics (STEM) has resulted in a first rate line up of keynote speakers, presenters, and demonstrators of leading edge projects. The next three days are sure to be engaging and thought provoking.

Libraries and museums are partners in the national effort to improve STEM learning in the US. They support both formal and informal learning with projects that range from fostering group investigation and creation techniques for youth to tackling the challenges of preserving research data, all made ever more complex and promising in the digital world.

The vision and execution of this conference has been enriched by our cooperator, the University of Denver's Penrose Library and Program in Library and Information Science and members of the WebWise program committee. The conference has also benefited by the participation of the John D. and Catherine T. MacArthur Foundation and in particular their Digital Media and Learning program; our special thanks to them for sponsoring the reception as well as presenting during the pre-conference.

Have a wonderful conference.

—Susan Hildreth, Director
Institute of Museum and Library Services

About the Conference Hosts

The Institute of Museum and Library Services is the primary source of federal support for the nation's 122,000 libraries and 17,500 museums. The Institute's mission is to create strong libraries and museums that connect people to information and ideas. The Institute works at the national level and in coordination with state and local organizations to sustain heritage, culture, and knowledge; enhance learning and innovation; and support professional development. www.imls.gov

The University of Denver's Penrose Library and Library & Information Science Program are WebWise co-hosts. The University of Denver, the oldest private university in the Rocky Mountain region, enrolls approximately 11,409 students in its undergraduate and graduate programs. The Carnegie Foundation classifies the University of Denver as a Research University with high research activity. www.du.edu

WebWise is presented with additional support from The MacArthur Foundation. www.macfound.org

INSTITUTE *of*
Museumand**Library**
SERVICES

Pre-Conferences, March 9

8:30 am – 4:30 pm: Pre-conference #1—Libraries and Museums Engaging Youth in STEM Learning, sponsored by The MacArthur Foundation

Moderators: Mary Stansbury, LIS Program, University of Denver
Sarah Chicone, Johns Hopkins University Museum Studies Program
Whitney Stein, Chicago Public Library

Speaker: Milton Chen, George Lucas Foundation and Edutopia

Panelists: Lydia Beall, Museum of Science
Barry Fishman, University of Michigan
Susan Guevara, U.C. Berkeley, Lawrence Hall of Science
Elizabeth Lonsdorf, Lincoln Park Zoo
Ellen Middaugh, Mills College
Rob Ross, Paleontological Research Institution and its Museum of the Earth
Marsha Semmel, IMLS

A boxed lunch will be provided for those participating in a full day of pre-conference activities.

9:00 am – 12:30 pm: Pre-conference #2—Thinking Like a Lawyer, While Opening Doors, Access, and Minds

Speakers: Nancy Weiss, IMLS
Sayeed Choudhury, JHU Digital Research and Curation Center
Melissa Levine, University of Michigan Library
Mary Minow, LibraryLaw.com
Hope O'Keeffe, Library of Congress
Arabella Yip, IMLS

1:00 – 4:30 pm: Pre-conference #3—Helping Researchers Manage Their Data: Constructing Data Curation Profiles

Moderator: Joyce Ray, IMLS

Speaker: D. Scott Brandt, Associate Dean of Research, Purdue University Libraries, Distributed Data Curation Center

6:30 – 8:30 pm: RECEPTION at the Baltimore National Aquarium, sponsored by The MacArthur Foundation

Conference Day One, March 10

8:00 am: Registration

9:00 – 9:30 am: Welcome—Susan Hildreth, Director, IMLS

9:30 – 10:15 am: Keynote Presentation—Dr. Joshua M. Greenberg, Program Director, Digital Information Technology and Dissemination of Knowledge, Alfred P. Sloan Foundation

10:15 – 11:00 am: Break and Project Demonstrations
- California Academy of Sciences – San Francisco, CA
  Connecting Content: A Collaboration to Link Field Notes to Specimens and Published Literature
- Chicago Public Library and Digital Youth Network – Chicago, IL
  YOUmedia: Creating a 21st-Century Library
- Cornell University's Macaulay Library – Ithaca, NY
  The NPR/NGS Radio Expeditions Sound Collection
- Ernst Mayr Library of the Museum of Comparative Zoology, Harvard College – Cambridge, MA
  Retooling Special Collections Digitization in the Age of Mass Scanning
- Missouri Botanical Garden – St. Louis, MO
  Digitizing Engelmann's Legacy
- National Building Museum – Washington, DC
  Information Technology and Online Services Initiative
- University of California, Berkeley Lawrence Hall of Science – Berkeley, CA
  Check Out Science!

11:00 am – 12:15 pm: Session #1—Perfecting STEM Partnerships: Libraries, Museums & Formal Education

Moderator: Mary Stansbury, LIS Program, University of Denver

Panelists: Marcia Mardis, Florida State University
             Suzie Allard, University of Tennessee
             Kwasi Asare, U.S. Department of Education

12:15 – 1:30 pm: Lunch and Roundtable Discussions

1:30 – 2:45 pm: Session #2—STEM and the Participatory Web: Everyone's Invited!

Moderator: Erika Shugart, Koshland Science Center at the NAS

Panelists: Seth Cooper, University of Washington
                Bridget Butler, Echo Lake Aquarium and Science Center
                Jeff Grabill, Michigan State University and Kirsten Ellenbogen, Science
                    Museum of Minnesota

2:45 – 3:30 pm: Break and Project Demonstrations
- Chicago Public Library and Digital Youth Network – Chicago, IL
  YOUmedia: Creating a 21st-Century Library
- Florida State University and the Tallahassee Museum – Tallahassee, FL
  Habitat Tracker
- The National Aquarium – Baltimore, MD
  "Wings in the Water" Exhibit Interactive Stations
- University of Arizona, School of Information Resources and Library Science – Tucson, AZ
  Improving Student Learning of Advanced Digital Technologies in an Online Laboratory: A Research Approach
- University of California, Lawrence Berkeley National Laboratory – Berkeley, CA
  Advancing Optical Scanning of Mechanical Sound Carriers: Connecting to Collections and Collaboration
- University of North Carolina at Chapel Hill, School of Information and Library Science – Chapel Hill, NC
  Helping Interdisciplinary Vocabulary Engineering (HIVE)
- Walters Art Museum – Baltimore, MD
  Integrating the Arts: China

3:30 – 4:45 pm: Session #3—Tapping Into Science: Promoting Collections for Use in Teaching, Learning and Research

Moderator: Kendall Wiggin, Connecticut State Library

Panelists: Kaye Howe, National Science Digital Library
                Kenning Arlitsch, University of Utah
                Rebecca Morin, California Academy of Sciences

4:45 pm: Adjourn for the day

Conference Day Two, March 11

8:45 – 9:30 am: Keynote Presentation—Dr. Francine Berman, Vice President for Research and Professor of Computer Science, Rensselaer Polytechnic Institute

9:30 – 9:45 am: Break

9:45 – 11:00 am: Session #4—STEM, Arts and Humanities: Intersections and Inspiration

Moderator: Tom Scheinfeldt, Center for History and New Media, George Mason University

Panelists: Chris Wildrick, Syracuse University School of Art & Design
Fred Gibbs, Center for History and New Media, George Mason University
Michael Benson, Kinetikon Pictures

11:00 am – 12:15 pm: Session #5—Reuse and Recycle: Tools and Services for Managing, Preserving, and Presenting Data for Sharing

Moderator: Greg Colati, University of Denver

Panelists: Sayeed Choudhury, JHU Digital Research and Curation Center
Leah Melber, Lincoln Park Zoo
Aaron Presnall, Jefferson Institute

12:15 pm: Farewell and adjourn

Tweeting from the conference?

Use the Twitter hashtag: #webwise