NSF WORKSHOP on
Knowledge Management & Visualization Tools
IN SUPPORT OF DISCOVERY

Workshop II

Goal
This workshop invites experts to brainstorm socio-technical infrastructures that address the needs and challenges identified in Workshop I. It will bring together about 20 leading experts in database research and digital libraries, cyberinfrastructure/ e-Science design, and social science of CI from the U.S. but also from Asia and Europe.

The goal is to identify:

- Key institutions around the world,
- Existing and evolving technologies, and
- Incentive structures

that address the needs identified in Workshop I without duplicating existing efforts in a sustainable fashion.

Date
April 7 & 8, 2008

Meeting Place
New York Hall of Science, Queens, NY
Upper Level Auditorium and Lobby
5 minutes from La Guardia airport.

Image Credits

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Organizers

Katy Börner
Indiana University
Mapping Science (PNAS Issue, Exhibit), CI Design (IVC, NWB Tool)
PR^2

Luis M. A. Bettencourt
Los Alamos National Laboratory
Social Dynamics and Organization, Information systems for streaming
PR^2

...data, Innovation and Development

Mark Gerstein
Yale University
Genomics, Proteomics, Structural Genomics, Computational Biophysics
PR^2

Stephen Miles Uzzo
New York Hall of Science
Ecology, Scientific Visualization, Cybernetics, Education and Epistemology
PR^2

Facilitators

Weixia (Bonnie) Huang
Indiana University (NWB Tool System Architect)
note-taking
PR^2

Elisha Hardy
Indiana University, Graphic Designer
PR^2

Participants

Kevin W. Boyack
SciTech Strategies, Inc.
Science Indicators and Maps
PR^2

David Lazer
Harvard University
Social Science Sociology
PR^2

Barend Mons
Erasmus University, Netherlands & KnewCo, Inc.
Wikiproteins
PR^2

Sharon Jordan
U.S. Department of Energy Office of Scientific and Technical Information
PR^2

Ben Shneiderman
University of Maryland
Interface Design, Visualization, Creativity Support Tools
PR^2

Ingo Günther
Artist
PR^2

Gregor Rothfuss
Google Maps
PR^2

Eric Siegel
Executive Vice President, Programs & Planning
New York Hall of Science
PR^2

Israel Lederhendler
NIH/OD
PR^2

James Onken
NIH/OD
PR^2

Noshir Contractor
Northwestern University
Professor, Industrial Engineering & Management Sciences
Communication Studies, Science of Networks in Communities
PR^2

Bongshin Lee
Visualization and Interaction Research (VIBE)
Microsoft Research
PR^2

Erik A. Schultes
Hedgehog Research
PR^2

Martin Storksdieck
Director of Project Development
Institute for Learning Innovation
PR^2

Kyle Brown
Innolyst
PR^2

Interested (but cannot attend)

- Walter L. Warnick, U.S. Department of Energy
  Director of the Office of Scientific and Technical Information
- Anthony Diaz, The Weather Channel, Inc.

- **Anthony Diaz**, The Weather Channel, Inc.
  Meteorologist
- **Allen Carroll**, National Geographic Society
  Chief Cartographer
- **Stephen Emmott**, Microsoft, UK
  European Science Programme, Chaired 2020 Report
- **Alon Halevy**, Google
- **Tony Hay**, Microsoft Research
  Corporate Vice President for Technical Computing
- **Divesh Shrivastava**, AT&T
  Databases and data integration
- **Herbert Van de Sompel**, Los Alamos National Laboratory
  Digital Library Research & Prototyping
- **Dan Reed**, Renaissance Computing Institute
  High performance computing design
- **Michael Stonebraker**, MIT
  Database Research and Technology
- **Jimmy Wales**, Wikimedia Foundation

Agenda

This is a 1 ½ day workshop. Given the diverse backgrounds of the attendees and the goals of the workshop, we will use the first ½ day for brief self introductions of the participants followed by an overview of the goals of the workshop and associated challenges and opportunities as identified by the organizers and extracted from the PR^2 submitted by the workshop participants. A shared dinner follows. The following full day features brainstorming and discussion sessions in different team sizes.

Day 1:

12:00pm	Welcome by Organizers by Katy Borner
12:15pm	Introduction by Participants (5 min per person/organization = 15 slots) Led by Stephen Uzzo
2:15pm	*Break*
2:30pm	Workshop Goals
3:00pm	Challenges and Opportunities by Luis Bettencourt (PDF)
3:45pm	*Break*
4:00pm	Breakout Sessions on "What SciPolicy and BioMed Challenge are solvable?" Intro by Stephen Uzzo
5:30pm	Breakout Session Reports & Interactive Timeline Assembly led by Katy Borner
6:00pm	*Adjourn*
7:00pm	*Joint dinner at Deluge*

Day 2:

9:00am	*Light Breakfast*
9:30am	Presentation of Google Maps by Gregor J. Rothfuss (PDF)
10:00am	Breakout Sessions on "Build the Dream Tool (on paper)" Intro by Katy Borner
11:00am	Breakout Session Reports
11:30am	Presentation of Worldprocessor Globes by Ingo Gunther
12:00pm	*Joint Lunch*
1:00pm	Breakout Sessions on "Challenges and Opportunities"
2:00pm	Breakout Session Reports Intro by Katy Borner
2:45pm	*Break*
3:00pm	Collective Exercise on "Who would like to collaborate with whom on what? Led by Katy Borner
4:00pm	Discussion of Next Steps, Funding Opportunities, etc.
5:00pm	*Adjourn*

Venue

The workshop takes place at the New York Hall of Science in Flushing Meadows Corona Park, Queens New York City (about 10 miles east of Downtown Manhattan).

Travel & Parking information: Download PDF

Hotel Reservations

Holiday Inn LaGuardia Airport.
37-10 114TH STREET, CORONA, NY 11368.
Hotel Front Desk: +1-718-651-2100 | Hotel Fax: +1-718-651-2222 |
Email: sales@holidaylga.com.
We have reserved a limited number of rooms at a conference rate for your convenience (**US$139**). Please book as soon as possible to take advantage of this special rate. You must mention the Hall of Science CDI Workshop. The Hotel is within a few minutes ride of LaGuardia International Airport (LGA). A courtesy shuttle is provided by Holiday Inn from the Airport to the hotel. The hotel will also provide limited shuttle service between the Hall of Science and hotel in the mornings and afternoons (Please arrange with the hotel the day before you need transportation.) If you are arriving at John F. Kennedy International Airport (JFK) or other airports, please see Travel PDF for more information.

Directions
FROM LAGUADIA AIRPORT
Grand Central Parkway eastbound to Exit 10, bearing right to follow the Midtown Tunnel signage. Right on Corona Avenue. Right on 111th Street. Right at 49th Avenue into the New York Hall of Science entrance drive.

FROM KENNEDY AIRPORT
Airport Exit (JFK Expressway to I-678 N/ Van Wyck Expressway. Merge onto Grand Central Parkway West via Exit 10 toward La Guardia Airport/ Triboro Bridge. Exit 10W at I-495/ Long Island Expressway Toward Midtown Tunnel. Stay on Service Road. Turn Right at 108th Street. Right on 52nd Avenue to 111th Street. Left on 111th Street. Right at 49th Avenue into the New York Hall of Science entrance drive.