

Emergency Informatics and Digital Libraries

Workshop for JCDL 2012 (<http://www.jcdl2012.org/>)

Washington, D.C.; Afternoon of June 13, Morning of June 14, 2012

<http://www.ctrnet.net/jcdl12>

Description: There is growing global awareness of the need for information in connection with emergencies, crises, tragedies, disasters, and related recovery activities. Yet, there is little integration of the diverse types of related information, minimal connection with the digital library community, and almost no awareness of the need for related digital library research and development. This workshop will bring together key stakeholders from the many agencies and organizations in the area, as well as researchers with interdisciplinary perspectives, to explore these opportunities with those in the DL community who are interested. This will build upon work on the NSF-funded Crisis, Tragedy, and Recovery Network (www.ctrnet.net) DL project, and its collaboration with the Internet Archive, to identify, capture, preserve, and make accessible information about worldwide natural and manmade disasters as they occur. The CTRnet team will help with accomplishing the objectives listed below, ensuring a permanent record of findings and information shared during or after the meeting.

Connections with NSF/CCC Workshop on Computing for Disaster Management:

On April 24 there will be an envisioning workshop on computational challenges in disaster management, at FAA Headquarters, supported by NSF CISE and CRA CCC. It will be led by Robin Murphy, our keynote presenter. She will share with us a draft of the resulting report, so our comments on it can go back to NSF, CCC, and others interested. Also attending our meeting will be Erwin Gianchandani, Director, CRA CCC.

Objectives:

- Define a research agenda for the area
- Prepare a bibliography / metadata repository for the area
- Identify tools, toolkits, systems, and services related
- Establish a social network of those interested

Topical outline:

- Emergency preparedness
- Emergency spotting
- Emergency response
- IT support for emergencies
- Toolkits to aid communities dealing with emergencies
- Collecting information about crises and tragedies
- Collecting, extending, and integrating related ontologies and other data / information / knowledge resources
- Analysis of, and other services for, information about crises and tragedies
- Archiving and preservation of emergency-related information

Expected number of attendees: 40

How attendees will be selected:

- Those interested should send to the workshop chair a two page proposal, describing your interest in the workshop. Be sure to provide a title, abstract, explanation of any prior / current connection with this area (including presentations, publications, tools developed, or professional role), short bio sketch, as well as your affiliation and contact information. Please be sure to specify which of the following you are willing to undertake if the program committee so recommends: presentation, panel discussion, poster, demo. See below a template we recommend that you use.
- Submissions received by 11:59pm Eastern Time on May 4th will be reviewed.
- Notifications should be made by 5/12, with final electronic submissions due 5/25

Program Committee:

Amine Chigani, CMU's Software Engineering Institute (SEI)

Jeremy Frumkin, U. of Arizona Libraries

Abigail Grotke, Library of Congress

Kristine Hanna, Internet Archive

Starr Roxanne Hiltz, New Jersey Inst. of Tech.

James Hawdon, Virginia Tech

Russell T. Jones, Virginia Tech

Andrea Kavanaugh, Virginia Tech

Iryna Kuchma, eiFL.net, Ukraine

Christopher (Cal) Lee, SILS, U. N. Carolina Chapel Hill

Lin Tzy Li, University of Campinas, Brazil

Paul Natsev, IBM Watson Research Center

Rudi Schmiede, Tech. Univ. Darmstadt, Germany

Steve Sheetz, Virginia Tech

Donald Shoemaker, Virginia Tech

Padmini Srinivasan, University of Iowa

Venkat Srinivasan, Virginia Tech

Shigeo Sugimoto, University of Tsukuba, Japan

Murray Turoff, New Jersey Inst. of Tech.

Eric F. Van de Velde, EVdV Consulting

Lexing Xie, Australian National University

Seungwon Yang, Virginia Tech

Schedule:

1:30pm June 13: Opening, introductory remarks

Keynote by Robin Murphy (see below): Observations from the
NSF/CCC Workshop on Computing for Disaster Management

Presentation Session 1

Break and Poster Session 1

Breakout Session 1 (3 groups, each with facilitator and recorder)

Plenary discussion of breakout reports

Workshop dinner (at a restaurant)

8:30am June 14: Summary of day 1, charge for day 2

Presentation Session 2

Break and Poster Session 2

Breakout Session 2 (3 groups, each with facilitator and recorder)

Final plenary discussion

Workshop close and charge for social networking and collaboration

Contact information about workshop chair:

Edward A. Fox, Ph.D, Professor

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Biographic Sketch for Keynote Presenter:

Robin Roberson Murphy is the Raytheon Professor of Computer Science and Engineering at Texas A&M, Director of the Center for Robot-Assisted Search and Rescue, and co-lead for the Emergency Informatics EDGE Innovation Center. Motivated by advances in small robots and lack of technology at the 1995 Kobe Earthquake and Oklahoma City bombing, Dr. Murphy helped create the field of rescue robotics. Her insertion of ground, air, and sea robots at disasters including the 9/11 World Trade Center disaster, Hurricanes Katrina and Charley, and most recently assisting with the Tohoku tsunami response and Fukushima incident has led to numerous professional awards, including IEEE Fellow and Motohiro Kiso award, as well as being declared an “Alpha Geek” by WIRED Magazine and one of the Most Influential Women in Technology by Fast Company.

Outline for Submissions (up to 2 pages):

- Title
- Abstract
- Prior / current connection with the area
 - Professional responsibilities
 - Publications
 - Presentations
 - Tools or services developed / provided
- Bio sketch
- Contact information
 - Name, title, affiliation
 - Postal address, email address, homepage, office phone, mobile phone
- Willing to (check all that apply):
 - Give presentation?
 - Participate in a panel?
 - Discuss a poster?
 - Present a demo?