NSF Workshop on Big Data and Urban Informatics: e-Infrastructure for Urban Social Science Research

Organizing Committee

Piyushimita Thakuriah (Vonu), Workshop Chair, University of Glasgow, UK
Nebiyou Tilahun, Co-Chair, University of Illinois at Chicago
Moira Zellner, Co-Chair, University of Illinois at Chicago
Harvey Miller, University of Utah
Glenn Geers, National ICT of Australia, Sydney, Australia

Dates: March 28 (Thursday) and March 29 (Friday), 2013

Emergency Contact: +1-312-961-1906 (Vonu’s mobile phone)

Location: University of Illinois at Chicago
   UIC Student Center East
   White Oaks Rooms
   3rd Floor Conference Center
   750 S Halsted St, Chicago, IL 60607

Schedule and Agenda DRAFT (Final version will be sent by Monday, March 25)

Day 1 – Thursday, March 28, 2013

8:30 AM: For those staying in the Crowne Plaza Hotel, meet Dan Milz from UIC in the lobby who will escort you to the workshop venue

8:50-9:15 AM: Breakfast in workshop venue and informal interactions

9:20-9:40 AM: Introduction and objectives of workshop (Vonu Thakuriah)

9:40-9:45 AM: Workshop logistics (Nina Savar)

9:45-10:30 AM: Introductions and brief (2-minute) description of your interests regarding Big Data and Urban Informatics

10:30-10:45 AM: Coffee Break

10:45-11:40 AM: 5-minute “lightning” presentations by attendees (titles are tentative)
   11:00-11:05 AM: The LEHD Program and Synthetic Data: Jeremy Wu (confirmed)
   11:05-11:10 AM: City of Chicago Open Data Activities: John Tolva (invited)
   11:10-11:15 AM: Data Driven Modeling: Shashi Shekhar (invited)
   11:15-11:20 AM: Big Data Urban Modeling Opportunities: David Levinson (invited)
   11:20-11:25 AM: Public Participation and Civic Engagement Aspects: Laxmi Ramaubramanian (confirmed)
   11:25 to 11:40 AM: Discussions and Q&A
11:45 – 12:15 PM: Setting research directions regarding Big Data and Urban Informatics: solicitation of ideas on research questions and uses from “e-infrastructure for social science research for Urban Informatics” using Big Data: Guided discussion to be led by Vonu

12:15- 1:00 PM – Lunch

1:15 PM-1:45 PM: 5-minute “lightning” presentations by attendees (titles are tentative)
   1:15-1:20 PM: What’s involved in building an e-infrastructure: examples from Oak Ridge: Budhu Bhaduri (invited)
   1:20-1:25 PM: Big Data: perspectives from the world of surveys and sampling: Tim Johnson (confirmed)
   1:25-1:30 PM: SMART and Big Data: an end-user’s perspective: Sue Zielneski (confirmed)
   1:30-1:35 PM: What is needed for planning in cities? Steven French (confirmed)
   1:35-1:45 PM: Discussions and Q&A

1:50– 3:30 PM: Three concurrent roundtables:

**Roundtable 1: Discussions on Urban Informatics models and tools necessary to meet future research**

   Roundtable Chair: Joe Grengs
   General Roundtable Rapporteur: Shashi Shekhar
   CFW and Journal Special Issues Ideas Reporter: Glenn Geers
   Roundtable Student Rapporteur: Yaye Keita-Mallon

**Roundtable 2: Discussions on data resource e-infrastructure development and technologies for such data integration**

   Roundtable Chair: Yingling Fan
   General Roundtable Rapporteur: Harvey Miller
   CFW and Journal Special Issues Ideas Reporter: Zipei Tu
   Roundtable Student Rapporteur: Moyin Li

**Roundtable 3: Discussions on emerging social science research relating to UI and application areas**

   Roundtable Chair: Jochen Albrecht
   General Roundtable Rapporteur: Jane Lin
   CFW and Journal Special Issues Ideas Reporter: David Levinson
   Roundtable Student Rapporteur: Dan Milz

3:30-3:45 PM: Break

3:45 PM-5:00 PM: Group reports by group chairs. Coordinated by Glenn Geers

6:30 PM: Dinner at the Parthenon, 314 S. Halsted St (the restaurant is the Chicago Greektown between the workshop venue and the hotel, along Halsted Street) (although their motto is “Dine Like Gods”, we could turn it into “Dine Like Geeks” for the evening!)
Day 2 – Friday, March 29, 2013

8:30 AM: Meet in hotel lobby

8:50-9:10 AM: Breakfast at workshop venue

9:10-9:25 AM: Cross-fertilization of group reports and discussions around overall workshop objectives – Led by Vonu


10:45-11:00 AM: Break

11:00-12:00 PM: Plans for second workshop. Develop Call for Papers, plans for dissemination of announcement and recruitment. Led by Nebiyou Tilahun

12:00– 12:45 PM: Lunch

12:45-2:00 PM: Future project development ideas, future conferences, journal special issues. Led by Moira Zellner.

2:00–2:30 PM: Wrap-up. Vonu

Confirmed List of Attendees

Thakuriah, Piyushimita (Vonu) Workshop Chair, Department of Urban Studies and School of Engineering, University of Glasgow, UK
Tilahun, Nebiyou Co-Chair, Department of Urban Planning and Policy, University of Illinois at Chicago
Zellner, Moira Co-Chair, Department of Urban Planning and Policy, University of Illinois at Chicago

Albrecht, Jochen, Department of Geography, Hunter College
Bhaduri, Budhudendra Geographic Information Science and Technology Group, Oak Ridge National Labs
Dieber, Max, University of Illinois at Chicago
Dirks, Lise University of Illinois at Chicago
Fan, Yingling Humphrey Institute of Public Policy, University of Minnesota
French, Steven Department of City and Regional Planning, Georgia Tech
Geers, Glenn National ICT of Australia, Sydney, Australia
Grengs, Joe Urban and Regional Planning, University of Michigan
Hoereth, Joe Institute for Policy and Civic Engagement, UIC
Johnson, Timothy Department of Public Administration and Survey Research Lab, UIC
Levinson, David Department of Civil Engineering, University of Minnesota
Lin, Jane Department of Civil and Materials Engineering, UIC
Miller, Harvey Department of Geography, University of Utah
Page, Scott Departments of Economics and Political Science and Center for the Study of Complex Systems, University of Michigan (via Skype)
Ramasubramanium, Laxmi Urban Studies Program, Hunter College, New York
Shekhar, Shashi Department of Computer Science, University of Minnesota
Tolva, John Chief Technology Officer, City of Chicago (tentative or partial attendance)
Tu, Zipei Director of Asia Pacific Area, KIT Solutions, LLC
Wu, Jeremy Private consultant (formerly Director of LEHD program in U.S. Census Bureau), Washington, D.C.
Zielinski, Sue Project SMART, University of Michigan

Student Attendees

Keita-Mallon, Yaye: PhD candidate, UIC
Li, Moyin: PhD candidate, UIC
Milz, Dan: PhD candidate, UIC