



**How Far Can “Big Data” Take Us Towards Understanding Cities?  
September 19<sup>th</sup> – 21<sup>st</sup>, 2013  
Santa Fe Institute**

**Agenda**

**Thursday, September 19th, 2013**  
**Workshop DAY 1**

**SANTA FE INSTITUTE**  
**Robert Noyce Conference Room**

- 8.15** *Shuttle from Hilton Hotel to Santa Fe Institute*
- 8.30** **BREAKFAST**
- 9.00 – 9.40** **Welcome and opening remarks**
- 9.40 - 10.30** ***The History and Promise of Urban “Big Data”***  
Colin Harrison (IBM Smarter Cities Project, retired)
- 10.30 – 10.45** **COFFEE BREAK**
- 10.45 – 12.15** ***Big Data and Smart Cities: New Research, Educational Possibilities and Business Opportunities I***  
David Maier (Department of Computer Science, Portland State University)  
Mansour Raad (ESRI)  
Alaina Harkness (MacArthur Foundation)
- 12.15 – 1.30** **LUNCH**
- 1.30 - 3.00** ***Big Data Application: Urban Mobility***  
David L. Bragdon (Executive Director, Transit Center)  
Eric Miller (Department of Civil Engineering, University of Toronto)  
Marta C. González (Department of Civil and Environmental Engineering, Massachusetts Institute of Technology)
- 3.00 – 3.15** **BREAK**
- 3.15 – 4.25** ***Big Data and Cities: Urban Planning’s Perspective***  
Paul Waddell (Department of City & Regional Planning, UC-Berkley)  
Clio Andris (Santa Fe Institute)

- 4.25 – 5.30                    **Plenary Discussion**
- 5.30                              **Cocktails at SFI**
- 6.00 – 6.30                    **Keynote Address: *What Did We Learn About the Scientific Payoff from Big Data From The Human Genome Project?***  
Ari Patrinos (Center for Urban Science and Progress, New York University)  
*Noyce Conference Room*
- 6.30 – 8.00                    **Dinner on the portal at SFI**
- 7.30 and 8.00                 *Shuttle will leave for Hilton Hotel*

**Friday, September 20th, 2013**  
**Workshop DAY 2**

**SANTA FE INSTITUTE**  
**Robert Noyce Conference Room**

- 8.15                              *Shuttle from the Hilton Hotel to Santa Fe Institute*
- 8.30                              **BREAKFAST**
- 9.00 – 10.10                 ***Big Data + Science = Understanding. So What?***  
Luis M.A. Bettencourt (Santa Fe Institute)  
Geoffrey West (Santa Fe Institute)
- 10.10 – 11.20                ***Opportunities for Big Data in Architecture & Planning***  
Nicholas de Monchaux (College of Environmental Design, UC-Berkeley)  
Gerhard Schmitt (Information Architecture, Swiss Federal Institute of Technology Zurich)
- 11.20 – 11.35                **COFFEE BREAK**
- 11.35 – 12.45                ***Big Data and Smart Cities: New Research, Educational Possibilities and Business Opportunities II***  
Constantine Kontokosta (Center for Urban Science and Progress, New York University)  
Charlie Catlett (Urban Center for Computation and Data, University of Chicago)
- 12.45 – 2.00                 **LUNCH**

- 2.00 - 3.10**                    ***Big Data Application: Crime***  
Martin Short (Department of Mathematics, UCLA),  
Rob Sampson (Department of Sociology, Harvard University)
- 3.10 – 4.20**                    ***Big Data Application: Urbanization, Energy and Sustainability***  
Kelli Stokes (School of Forestry & Environmental Studies, Yale University)  
Kevin Gurney (School of Life Sciences, Arizona State University)
- 4.20 – 4.35**                    **BREAK**
- 4.35 – 6.00**                    **Plenary Discussion**
- 6.00**                            *Shuttle will leave for the Hilton Hotel*

**Please enjoy exploring Santa Fe's fine restaurants on your own for dinner this evening**

**Saturday, September 21st, 2013**  
**Workshop DAY 3**

**SANTA FE INSTITUTE**  
**Robert Noyce Conference Room**

- 8.15**                            *Shuttle from the Hilton Hotel to Santa Fe Institute*
- 8.30**                            **BREAKFAST**
- 9:00 – 10:10**                    ***Urban Big Data and Federal Government Databases***  
Deborah Strumsky (Department of Geography & Earth Sciences, University of North Carolina-Charlotte),  
Cavan Capps (U.S. Census Bureau)
- 10.10 – 11.40**                    ***Big Data for Development***  
Frank Neffke (Center for International Development, John F. Kennedy School of Government, Harvard University)  
Joe Hand (Informal Settlements Project, Santa Fe Institute)  
Robert Kirkpatrick (UN Global Pulse)
- 11.40 – 12.20**                    ***Synthetic Remarks***  
José Lobo (School of Sustainability, Arizona State University)
- 12.20– 2:00**                    **Working Lunch / *Plenary Discussion***
- 1.00 and 2.00**                    *Shuttle will leave for the Hilton Hotel*