

A Blueprint for Urban Analytics workshop

11-12 April 2019

Agenda

Thursday, 11 April

- 09:30 – 10:30 Arrivals and registration; tea/coffee available
- 10:30 – 10:45 Words of welcome
- 10:45 – 11:30 **The Future of Urban Analytics: Challenges and Opportunities**, Alan Wilson, Ada Lovelace Institute and Alan Turing Institute
- 11:30 – 12:00 **Urban Analytics at the Alan Turing Institute: Lightning Talks I:**
- “Urban Analytics to Support Local Policy: Reflections from Practice”, **Dianna Smith**, University of Southampton
- “Travel Behaviour Modelling Using Mobile Phone Data”, **Charisma F. Choudhury**, University of Leeds
- “Supporting Rape Victims and Informing Policies with Spatial Data Science”, **Konstantin Klemmer**, University of Warwick and Alan Turing Institute
- “Reinventing the Gravity Model: Libraries as Cultural Retailers”, **Flora Roumpani**, UCL and Alan Turing Institute
- “Take a Look Around: Using Streetviews and Satellite Images to Estimate House Price”, **Stephen Law**, UCL and Alan Turing Institute
- “Shoreditch: A Bottom-up Analysis of a Business Cluster Using Archived Web Data”, **Emmanouil Tranos**, University of Birmingham
- 12:00 – 13:00 Lunch
- 13:00 – 13:30 **Urban Analytics: What’s Possible**
- Mark Birkin, Alan Turing Institute and University of Leeds
- 13:30 – 14:30 **A Friendly Debate: Methodological Approaches in Urban Analytics**
- Alison Heppenstall, University of Leeds
- Alex Singleton, Liverpool University
- Sarah Williams, MIT
- Zena Wood, University of Exeter
- 14:30 – 14:45 Tea/coffee break

- 14:45 – 15:15 **Data Scarcity in the Era of Big Data**
Sarah Williams, MIT
- 15:15 – 15:45 **Urban Analytics: A Data Perspective**
Stuart Barr and Phil James, Newcastle University
- 15:45 – 16:15 Discussion: Drafting the Urban Analytics Blueprint
- 16:15 – 16:30 Recap and summary from the day
- 16:30 – 18:00 Reception and posters

Friday, 12 April

- 08:30 – 09:00 Tea/coffee
- 09:00 – 09:45 **Urban Analytics, City Science, Prediction and Planning,**
Mike Batty, UCL
- 09:45 – 10:15 **Future of Mobility Grand Challenge: What Role can Urban Analytics Play?**

Phil Blythe, Chief Scientific Advisor, Department for Transport (DfT) and Newcastle University
- 10:15–11:15 **Urban Analytics at the Alan Turing Institute: Lightning Talks II:**

“Uncovering Hidden Patterns and Structures in Cities”, **Alison Heppenstall**, University of Leeds

“Understanding and Quantifying Uncertainty in Agent-Based Models for Smart City Forecasts”, **Nicolas Malleon**, University of Leeds

“Micro-mobility Data: Empowering Sustainable Habits”, **Susan Grant-Muller**, University of Leeds

“Smart Cities and Inequality”, **Rachel Franklin**, Newcastle University

“Automating Data Visualization”, **Nick Holliman**, Newcastle University

“SPENSER – A Synthetic Population Estimation and Scenario Projection Model”, **Nik Lomax**, University of Leeds

“Sensing AURAs from Satellite Imagery”, **Levi Wolf**, University of Bristol

“Advancing Urban Simulation through Artificially Intelligent Agents”, **Ed Manley**, UCL
- 11:15–12:15 Small-Group Discussion: Drafting the Urban Analytics Blueprint
- 12:15–13:00 Group reports and next steps
- 13:00 Close of workshop