The MacArthur Workshop on Urban Modelling & Complexity Science

The J Z Young Lecture Theatre, Anatomy Building University College London
Thursday 19th to Friday 20th September 2019 from 8-45am to 5pm

Details of the Event are on the Eventbrite page
https://www.eventbrite.co.uk/e/the-macarthur-workshop-on-urban-modelling-complexity-science-tickets-69983794413

Thursday 19th September		Title
8.15-8.45	Registration	Coffee
8.45-9.00	Welcome and Introductions	
9.00-9.30	Chris Pettit	*A Rapid Analytics Scenario Planning Toolkit*
9.30-10.00	Carl Steinitz	*Why Geodesign and Why Negotiation*
10.00-10.30	Hrishi Ballal	*Geodesign as Natural Language Processing and Semantic Analysis in Negotiated Outcomes.*
10.30-11.00	Coffee	
11.00-11.30	Janice Morphet	*The Future of Analytics in Public Policy*
11.30-12.00	Zhongwen Huang	*Science of Cities: New Tools for Old Problems*
12.00-12.30	Michael Batty	*Speculations on Smart Cities, Digital Twins and Urban Analytics*
12.30-1.30	Lunch	
1.30-2.10	Alan Wilson	*The Future of Urban Analytics: Challenges and Opportunities*
2.10-2.40	Michael Wegener	*Modelling the energy transition in the Ruhr Area*
2.40-3.10	*Discussion*	
3.10-3.30	Coffee	
3.30-4.00	Carlos Molinero	*How Fractal Geometry Determines Urban Scaling Laws*
4-4.30	Max Nathan	*Does Light Touch Cluster Policy work? Evaluating the Tech City Programme*
4.30-5.00	Srilalitha Gopalakrishnan Manivannan Ajaykumar	*Vertical Cities: Complex Emergent Patterns of Movement and Space Use in High-Density Urban Contexts*

6.00 on	Reception and Drinks and Food: The Carpenter's Arms

8.45-9.00	Coffee

9.00-9.30	Marc Barthélemy	*Modelling Car Traffic in Cities*
9.30-10.00	Laura Alessandretti	*The Scales of Human Mobility*
10.00-10.30	Filippo Simini	*Scaling Laws in Urban Systems: Interrelationships and Applications*
10.30-11.00	Coffee	
11.00-11.30	Stuart Barr	*Flood-PREPARED: A Real-Time Digital Twin Framework for Nowcasting the Impact of Extreme Rainfall Events on Cities*
11.30-12.00	Alison Heppenstall	*Understanding Urban Flows*
12.00-12.30	Jon Reades	*Predicting Neighbourhood Change? An Application of Machine Learning in Urban Analysis*
12.30-1.30	Lunch	
1.30-2.00	Nick Malleson	*Simulating Pedestrian Systems in Real Time using Agent-Based Models*
2.00-2.30	Ed Manley	*Analysing Cities through Cognitive Models of Geographic Space*
2.30-3.00	Tim Evans	*Properties of Simple Models of Spatial Interaction*
3.00-3.30	Coffee	
3.30-4.00	Daniel Arribas-Bel	*Building(S And) Cities – Re-Delineating Spanish Urban Boundaries With Building Data And Machine Learning.*
4.00-4.30	Andrea Baronchelli	*Evidence for a Conserved Quantity in Human Mobility*
4.30-4-35	Wind Up Session	