

Thursday 7th September 2017

Welcome to European Colloquium on Theoretical and Quantitative Geography 2017 at the Park Inn, York.

www.geog.leeds.ac.uk/ectqg17

Time	Park Inn Hotel
16:00 - 19:00	Registration
20:00	Buffet dinner

Programme Key

All sessions will be held at the Park Inn Hotel, unless otherwise stated.

Session type	Colour
Keynote	
Parallel session	
Refreshment break	

Friday 8th September 2017

Time	Room 1	Room 2
09:00 - 10:30	Keynote 1 - Professor Sir Alan Wilson	
10:30 - 11:00	Coffee	
11:00 - 12:30	<p style="text-align: center;">Alan Wilson Plenary Spatial Interaction Modelling Symposium</p> <p>1. <i>John Stillwell</i> Comparing Distance and its Frictional Effect on Internal Migration in Countries Around the World</p> <p>2. <i>Frank Southworth</i> A Look at Freight Demand Modeling in the United States</p> <p>3. <i>Martin Clarke</i> Numerical Experiments: exploring the properties of spatial interaction models using real and imaginary data</p> <p>4. <i>Mark Birkin</i> A family of spatial interaction modellers</p> <p>5. <i>Michael Batty</i> Scaling from Spatial Interaction</p>	
12:30 - 13:30	Lunch	
13:30 - 15:00	Parallel session 1	
	<p style="text-align: center;">1A - Environment and Health</p> <p>1. <i>Sonia Trabelsi; Isabelle Thomas</i> On measuring "green": a comparative analysis of four databases in Namur (Belgium)</p> <p>2. <i>Geoffrey Caruso; Marion Le Texier; Mirjam Schindler</i> The Green Mismatch Hypothesis: concept framing and empirical views from Brussels, Luxembourg and Rouen.</p> <p>3. <i>Marlene Boura</i> How does the spatial distribution of green within cities impact carbon uptake?</p>	<p style="text-align: center;">1B – Mobility</p> <p>1. <i>Robin Lovelace</i> Implementing spatial interaction models: from prototype to globally scalable tools</p> <p>2. <i>Jean-Pierre Nicolas; Nicolas Pele; Cyrille Francois</i> Urban Form and Daily Mobility Interactions: an Analysis of Socioeconomic and Environmental Impacts Thanks to LUTI Model Simulations</p> <p>3. <i>Nick Malleson; Susan Grant-Muller; Frances Hodgson; Gillian Harrison</i> Quantifying Personal Pollution Impacts to Inform Transport Scheme Innovation through New Generation Mobility Data</p>

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Time	Room 1	Room 2
	<p>4. <i>Thierry Feuillet; Hadrien Commenges; Mehdi Menai; Helene Charreire; Emmanuelle Kesse-Guyot; Romain Reuillon; Julie-Anne Nazare; Serge Hercberg; Jean-Michel Oppert</i> Why do I walk here? Computing a large scale GWR for hierarchising the environmental correlates of walking in France</p>	<p>4. <i>Larissa Silva Lopes; Benjamin Motte-Baumvol; Thomas Thevenin</i> Urban mobility and the spatial distribution of economic activities in Rio de Janeiro</p>
15:00 - 15:30	Coffee	
15:30 - 17:00	Parallel session 2	
	2A - Health and Lifestyle	2B - Spatial analysis: Applications
	<p>1. <i>Paul Williamson; Xin Gu; Karyn Morrissey; Ferran Espuny-Pujol</i> Small-area estimation of comorbidity: an indirect survey calibration approach</p> <p>2. <i>Emma Wilkins; Michelle Morris; Duncan Radley; Claire Griffiths</i> Geographic variation in the validity of two sources of secondary food environment data</p> <p>3. <i>Elena Guk</i> Modelling of the territorial tourist and recreational system of Norilsk Region</p> <p>4. <i>Nik Lomax; Michelle Morris</i> Assessing activity levels of individuals in a large, self-selecting dataset</p> <p>5. <i>Rachel Oldroyd; Mark Birkin; Michelle Morris</i> The use of non-traditional data for monitoring foodborne illness: methodological recommendations and considerations</p>	<p>1. <i>Nir Fulman; Itzhak Benenson</i> Why Do We Search for Parking for So Long?</p> <p>2. <i>Yonatan Shaham; Itzhak Benenson</i> Modeling City-Scale Fire Spread in Mediterranean and Middle Eastern Cities</p> <p>3. <i>Maxime Colomb; Mickael Brasebin; Julien Perret; Tannier Cecile</i> Simulation of a realistic residential development with the integration of two existing models</p> <p>4. <i>Milana Glebova</i> Structural and spatial change in electrical industry of the UK in the beginning of 21 century</p> <p>5. <i>Hadrien Fouillade Orsini</i> Crimes location within spatial patterns insuing by motorized network in Marseille (Southern France)</p>
18:30 - 19:30	Special session – Big data and Obesity	
	<p>Presentations from the ESRC Strategic Network for Obesity members</p> <p>1. <i>Michelle Morris, Mark Birkin</i> What is the ESRC Strategic Network for Obesity?</p> <p>2. <i>Duncan Radley; Kate Timmins; Mark Green; Jamie Pearce</i> Can 'big data' contribute where traditional research falls short? A review of big data usage in obesity research</p>	

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Time	Room 1	Room 2
	<p>3. <i>Emma Wilkins; Mark Birkin; Claire Griffiths; Michelle Morris</i> Can big data solve a big problem: the obesity data landscape?</p> <p>4. <i>Thomas Burgoine; Pablo Monsivais</i> Development of data-driven tools for policy makers: The Food environment assessment tool (Feat) as a case study</p>	
19:30	Buffet dinner	

Saturday 9th September 2017

Time	Room 1	Room 2
09:00 - 10:30	Keynote 2 - Professor Anne Vernez Moundon	
10:30 - 11:00	Coffee	
11:00 - 12:30	<p align="center">3A - Geography and economics 1</p> <p>1. <i>Mehdi Bida; Celine Rozenblat; Elfie Swerts</i> Modeling hierarchy and specialization of a system of cities as a result of the dynamics of firms' interactions</p> <p>2. <i>Denise Pumain</i> From theory to modeling: which economics for evolutionary geography?</p> <p>3. <i>Antonin Bergeaud; Simon Ray</i> Adjustment costs and factor demand: new evidence from firms' real estate</p> <p>4. <i>Clementine Cottineau; Elsa Arcaute; Max Nathan</i> Geoindustrial clustering of London businesses: modelling firms' trajectories and their interaction with the urban fabric</p>	<p align="center">3B - Spatial Analysis: Clustering</p> <p>1. <i>Richard Harris; Dewi Owen; Rory Kramer</i> Modelling Processes of Urban Ethnic Desegregation using Multilevel Indices of Segregation</p> <p>2. <i>Roger Bivand; David Wong</i> Comparing implementations of global and local indicators of spatial association</p> <p>3. <i>Emily Sheard; Nick Malleson; Mark Birkin</i> Exploring the Spatio-Temporal Distribution of Car Key Burglary in West Yorkshire: Routine Activity or Planned Behaviour?</p> <p>4. <i>Peter Mandl</i> Geographical Concepts and Reflections about Aspects of the "Digital Age"</p>
12:30 - 13:30	Lunch	
13:30 - 15:00	Parallel session 4	
	<p align="center">4A - Geography and economics 2</p> <p>1. <i>Juste Raimbault</i> Invisible Bridges? Scientific landscapes around similar objects studied from Economics and Geography perspectives</p> <p>2. <i>Olivier Finance</i> Transnational investment decisions in and towards Europe: evidences for a single European system of cities?</p> <p>3. <i>Justin Delloye; Remi Lemoy; Geoffrey Caruso</i> Homothetic Scaling of Urban Land Use and Population Density Profiles in Monocentric Models</p> <p>4. <i>Roger White; Gustavo Recio; Wolfgang Banzhaf</i> The Necessity of Disequilibrium</p>	<p align="center">4B - Spatial Analysis: Visualisation</p> <p>1. <i>Robin Cura; Cecile Tannier</i> Visual and semi-automated exploration of an archaeological model: calibrating a model of spatial reorganization in North-Western Europe, A.D. 800 to 1100.</p> <p>2. <i>Pierre Frankhauser; Olivier Bonin</i> Error terms and uncertainty in fractal radial analysis</p> <p>3. <i>Alessandro Araldi; Giovanni Fusco</i> Retail Activity and the City: Contribution from the Analysis of Urban Fabrics</p> <p>4. <i>Martin Charlton; Chris Brunsdon</i></p>

Saturday 9th September 2017

Time	Room 1	Room 2
		Using animation to visualise correlation structure in multivariate spatial data
15:00 - 15:30	Coffee	
Time	Room 1	Room 2
15:30 - 17:00	Parallel session 5	
	5 A - Geography and economics 3 1. <i>Eric Koomen; Diogo Vasco</i> Bridging geography and economics in local-scale land-use modelling 2. <i>Zahratu Shabrina; Elsa Arcaute; Richard Milton; Michael Batty</i> Modelling Accessibility of Airbnb in Greater London Area 3. <i>Joris Beckers; Ivan Dario Cardenas Barbosa; Ann Verhetsel</i> Modelling the urban layer in B2C e-commerce distribution networks	5B - Textual Big data 1. <i>Francoise Lucchini; Leny Grassot; Julien Baudry; Olivier Gillet; Bernard Elissalde</i> Social networks, events and cities 2. <i>Marion Maisonobe; Laurent Jegou; Beatrice Milard; Michel Grossetti; Denis Eckert</i> The world geography of scientific visibility: a deconcentration process (1999-2012) 3. <i>Denis Eckert; Marion Maisonobe; John Harrison; Francis Harvey</i> The evolving geography of academic places in France, Germany, and the UK (1999-2014) 4. <i>Caterina De Lucia; Mark Bartlett; Pasquale Balena; Pasquale Paziienza; Diana Caporale</i> Modelling the gap between tourist preferences and local knowledge as drivers of touristic attractiveness
19:00	Conference dinner - National Railway Museum	

Sunday 10th September 2017

Time	Room 1	Room 2
	Parallel session 6	
10:30 – 12:00	<p align="center">6A - Urban systems</p> <p>1. <i>Gaetan Montero; Cecile Tannier; Isabelle Thomas</i> On urban boundaries: three methods, three solutions for Brussels</p> <p>2. <i>Pavel P. Em</i> Is there any link between fractal dimension and service companies' entropy in Moscow and Seoul</p> <p>3. <i>Giovanni Fusco; Alessandro Araldi</i> Multiple Fabric Assessment: Exploring the Forms of a Metropolitan Area.</p> <p>4. <i>Branco Glumac; Marcos Herrera Gomez; Julien Licheron</i> A residential land price index for Luxembourg: Dealing with the spatial dimension</p> <p>5. <i>Dani Broitman; Eric Koomen</i> Living in historic cities: Intensification and increasing density gradients</p>	<p align="center">6B – Accessibility</p> <p>1. <i>Cyrille Medard de Chardon</i> Detecting optimal cut-through locations to increase pedestrian and cycling modal shares</p> <p>2. <i>Olivier Bonin; Pierre Frankhauser</i> Accessibility, Amenities and Needs - a conceptual framework for exploring households' satisfaction</p> <p>3. <i>Julia H. Tabbita</i> Housing informality in the Buenos Aires Metropolitan Region: A quantitative-spatial assessment for regularization and land use policies</p> <p>4. <i>Juste Raimbault; Solene Baffi</i> Structural Segregation: Assessing the impact of South African Apartheid on Underlying Dynamics of Interactions between Networks and Territories</p> <p>5. <i>Eusebio Odiari, Mark Birkin, Susan Grant-Muller and Nick Malleson</i> The use of big data in spatial micro-simulation of railway passengers</p>
12:00 – 13:00	Lunch	
13:00 – 14:30	Keynote 3 - Professor Alison Heppenstall	
14:30 – 18:00	Field trip	
19:00	Buffet Dinner	

Monday 11th September 2017

Time	Room 1	Room 2
	Parallel session 7	
09:00 - 10:30	<p align="center">7A – Demographics</p> <ol style="list-style-type: none"> <i>David Burg</i> Recurring Patterns in Urban Growth <i>Francois Bavaud; Theophile Emmanouilidis; Guillaume Guex</i> Handling social segregation in gravity modelling: a computable scheme <i>Doignon Yoann</i> Which spatial convergence of demographic ageing in Mediterranean? <i>Khneyzer Chadi</i> Lebanon between analogy and specificity of territorial development processes: The necessary originality of a credible development strategy for the Akkar <i>Anna Dmowska; Tomasz Stepinski</i> Evolution of Racial Diversity in Newly Built American Housing Subdivisions 	<p align="center">7B – Big Data</p> <ol style="list-style-type: none"> <i>Tomas Crols; Nicolas Malleson</i> Quantifying the Ambient Population using Big Data and Agent-Based Modelling <i>Arnaud Adam; Isabelle Thomas</i> Revisiting the internal structure of Brussels with mobile phone data: theoretical revolution or data evolution? <i>Robin Cura</i> Making large spatio-temporal data analysis easier: Illustrated plea for using (geo)Visual Analytics <i>Horacio Samaniego; Mauricio Franco; Boris Sotomayor</i> The deterrence effect revisited: spatial analysis of the impact of police presence on probability of crime. <i>Marina Toger; Itzhak Benenson; Sarit Weisburd</i> The deterrence effect revisited: spatial analysis of the impact of police presence on probability of crime.
10:30 - 11:00	Coffee	
	Parallel session 8	
11:00 - 12:30	<p align="center">8A - Politics and Demographics</p> <ol style="list-style-type: none"> <i>Celio Sierra-Paycha</i> How National Urban Systems shape International Migration Systems: the case of Colombia <i>Nick Hood; Myles Gould; Jocelyn Evans; Paul Norman</i> Is your local area susceptible to the radical right? Differentiation UKIP support using an area based classification of electoral wards in England 	<p align="center">8B - Land use</p> <ol style="list-style-type: none"> <i>Remi Lemoy; Geoffrey Caruso</i> Evidence for the Homothetic Scaling of Urban Forms <i>Alexandre Ornon</i> A spatial multiscalar modelisation of urbanisation in the South-East of France <i>Emilie Lerond; Olivier Klein; Jean-Philippe Antoni</i> Data transformation for land-use / transport interactions exploration

Monday 11th September 2017

Time	Room 1	Room 2
	<p>3. <i>Myles Gould; Nicholas Hood; Jocelyn Evans; Paul Norman</i> Introducing an European comparative multilevel study of 'radical right' support</p> <p>4. <i>Stephen Clark; Michelle Morris; Nik Lomax</i> Estimating the UKs referendum on EU membership using e-petition data and machine learning algorithms</p> <p>5. <i>Francoise Lucchini; Leny Grassot; Julien Baudry; Olivier Gillet; Bernard Elissalde</i> Social networks, events and cities</p>	<p>4. <i>Nikita A. Sinitsyn</i> Cellular automata for suburbanization modelling: the case of Belgorod</p>
12:30 - 13:30	Lunch	
13:30 - 15:00	Keynote 4 – Professor Chris Brunson	
15:00	Depart	