

** Optional Add On ** URBAN BIG DATA MASTER CLASS Monday 10 July	Evening Welcome Reception Tuesday 11 July	Conference Day 1 Wednesday 12 July	Conference Day 2 Thursday 13 July	Conference Day 3 Friday 14 July
12.30pm – 5.00pm Boral Lecture Theatre, Kensington Campus, UNSW, Sydney	6.00pm to 8.00pm Kerry Packer Civic Gallery UniSA, Adelaide	Registration 08.30 am – K2-09 (HQ) All refreshments served on Level 5 Kaurna	Registration 08.30 am – K2-09 (HQ) All refreshments served on Level 5 Kaurna	Registration 08.30 am – K2-09 (HQ) All refreshments served on Level 5 Kaurna
  <p>12.30pm – 1.00pm Welcome and Light Lunch</p> <p>1.00pm – 2.00pm Keynote presentation Prof. Mike Batty (UCL) <i>'Big Data and the City: Real Time Streaming and the 24 Hour City'</i></p> <p>2.00pm – 2.30pm Presentation Prof. Chris Pettit (UNSW) <i>'Visualising mobility data in Sydney'</i></p> <p>2.30pm – 3.00pm Coffee break</p> <p>3.00pm – 5.00pm Hands on tutorial using mapping tool (CARTO) Dr Simone Z. Leao, Dr Ori Gudes, Dr Scott Lieske <i>Mapping big bike data</i></p>	<p>Welcome Reception</p> <p>Opening remarks and Welcome by Host</p> <p>Traditional Welcome to Country Ceremony</p> <p>Dr Andrew Allan Conference Convenor, UniSA</p>	09.00 – 11.00 am (2 hr)	09.00 am – 10.30 am (90 min)	09.00 am – 10.30 am (90 min)
		09.00 Welcome to Country 09.15 Dr Andrew Allan , Conference Convenor 09.25 Prof. Stan Geertman , Chair of CUPUM Board Introduction of the CUPUM 2017 PSS Book 09.35 Hon. Martin Haese , Lord Mayor of Adelaide 10.05 Prof. Mike Batty , UCL	09.00 Dr Andrew Allan 09.05 Prof. Chris Pettit , UNSW 09.40 A/Prof. Hussein Dia , Swinburne University of Technology 10.15 Q & A	09.00 Prof. Denise Meredyth , PVC: EASS, UniSA 09.10 Prof. Elizabeth Wentz , University of Arizona 09.45 Prof. Ning Gu , UniSA 10.20 Q & A
		Morning Coffee: 11.00 – 11.30 am + Posters	Morning Coffee: 10.30 – 11.00 am + Posters	Morning Coffee: 10.30 – 11.00 am + Posters
		A Parallel Sessions: 11.30 am – 1.00 pm (90 min)	A Parallel Sessions: 11.00 am – 12.30 pm (90 min)	Posters and Conference Plenary 11.00 am – 12.30 pm (90 min)
		WedA1 Big Data 1	ThuA1 AURIN	11.00-12.00 Poster Author Sessions on level 5 Kuarna 12.10 Prof. Stan Geertman , Chair of CUPUM Board 12.15 CUPUM 2019 Announcement and invitation to CUPUM in 2019
		WedA2 Social Media and Planning-1	ThuA2- <i>nil</i>	
		WedA3 Planning Support Systems to Aid Planning	ThuA3 Planning of Human Services	
		WedA4 Modelling Populations and Households	ThuA4 Planning Urban Form and Structure-Neighbourhood level	
		WedA5 Greening the City	ThuA5 Urban Climates and Planning	
		WedA6 Planning Support Systems for Disaster Prevention-1	ThuA6 Disaster Mitigation Planning and Management	
		WedA7 Transport Modelling	ThuA7 Transport Planning-Cycling	
		Lunch: 1.00 – 2.00 pm + Posters	Lunch: 12.30 – 1.30 pm + Posters	Lunch: 12.30 – 1.30 pm
		B Parallel Sessions: 2.00 – 3.30 pm (90 min)	B Parallel Sessions: 1.30 – 3.00 pm (90 min)	FIELD TRIPS
		WedB1 Big Data 2	ThuB1 Smart Urban Futures-1	
		WedB2 Social Media and Planning-2	ThuB2 AURIN- <i>To be confirmed</i>	
		WedB3 Navigation Systems and Planning	ThuB3 Planning for Urban Vitality	
		WedB4 Land Use Modelling	ThuB4 Planning Metropolitan Urban form and Structure	
WedB5 Mitigating Environmental Impact Through Planning	ThuB5 Planning for Resilience			
WedB6 Planning Support Systems for Disaster Prevention-2	ThuB6 Planning for Pedestrians and Walkability-2			
WedB7 Travel Behaviour	ThuB7 Measuring and Improving Public Transport Performance			
Afternoon Coffee: 3.30 – 4.00 pm+ Posters	Afternoon Coffee: 3.00 - 3.30 pm+ Posters			
C Parallel Sessions: 4.00 – 5.30 pm (90 min)	C Parallel Sessions: 3.30 – 5.00 pm (90 min)	END		
WedC1 Crowd Sourcing and Map Based Platforms	ThuC1 Web, Open Sourced Data and Map Based Planning			
WedC2 Urban Planning Indicators-1	ThuC2 2D, 3D and 4D Visualizations			
WedC3 Planning Support Systems-Institutional/Political systems	ThuC3 Citizen Planning			
WedC4 Cultural and Tourism Planning	ThuC4 Smart Urban Futures-2			
WedC6 Planning for Pedestrians and Walkability-1	ThuC 6 Planning Safe Routes in the City			
WedC7 Transport Planning-the Road System	ThuC7 Transport Planning-Rail and Tram Based Public Transport			

		FINISH 5.30 pm CUPUM BOARD OF DIRECTORS DINNER 7.00pm-9.30pm	FINISH 5.00 pm CUPUM CONFERENCE DINNER 7.00pm-10.00pm	
--	--	--	---	--

Conference Day 1 Wednesday 12 July	Conference Day 2 Thursday 13 July
Morning Coffee: 11.00 – 11.30 am	Morning Coffee: 10.30 – 11.00 am
WedA Parallel Sessions: 11.30 am – 1.00 pm (90 min)	ThuA Parallel Sessions: 11.00 am – 12.30 pm (90 min)
<p>WedA1 Big Data 1</p> <p>Wed.A11 Designing a Data Commons for Urban Big Data (<i>Dr Steven French, Camille Barchers</i>) USA #35049</p> <p>Wed.A12 Estimation of Inter-regional Money Flow Process Using Inter-firm Transaction Big Data and People Flow Big Data (<i>Yohei Yamamoto, Yuki Akiyama, Prof Ryosuke Shibasaki</i>) Japan #35158</p> <p>Wed.A13 Social sensing : The necessary component of Planning Support System for smart city in the era of big data (<i>Wencheng Yu, Qizhi Mao, Song Yang, Songmao Zhang, Yilong Rong</i>) China #35056</p> <p>Wed.A14 Improved SLEUTH simulation with Growth Pattern Zones: Case study with the Pearl River Delta (<i>Yuli Fan, Prof Qingming Zhan, Huizi Zhang, Meng Zhan, Dr Dingxi Huang</i>) China #35161</p>	<p>ThuA1 AURIN</p> <p>This workshop runs 11.00am to 1.00pm Delegates will have 30mins lunch 1.00pm to 1.30pm</p>
<p>WedA2 Social Media and Planning-1</p> <p>Wed.A21 Connecting the dots: using Twitter for design insights into social behaviour around metro transport nodes in Singapore and beyond (<i>Verina Cristie, A/Prof Sam Joyce, A/Prof Ate Poorthuis</i>) Singapore #35141</p> <p>Wed.A22 Examining Activity-Space Segregation of Urban-Village Residents in Urban China Using Social Media Data: A Case Study of Shenzhen (<i>Zifeng Chen, Prof Anthony Yeh</i>), Hong Kong #35142</p> <p>Wed.A23 The Digitally-Mediated Social Dynamics of Citizen-Led Initiatives: A Case Study of Parklets' Diffusion on Twitter Using Network Analysis (<i>Homa Rahmat</i>) Australia #35128</p> <p>Wed.A24 Usability of User-generated Social Media Content in Urban Planning (<i>Pilvi Nummi</i>) Finland #35083</p>	<p>ThuA2 Nil</p>
<p>WedA3 Planning Support Systems to Aid Planning</p> <p>Wed.A31 A Planning support system to Aid Spatial Planning in Pakistan (<i>Qadeer Hussnain, Khydija Wakil, Abdul Waheed, Ali Tahir, Junaid Abdul Jabbar, Prof. Chris Pettit, Claudia Pelizaro</i>) Pakistan #35033</p> <p>Wed.A32 Projecting Future Distributions of Facility Deserts for Smart Regional Planning: A Micro Geodata Approach in Japan (<i>Dr Akiyama Yuki, Nishimoto Yuka, Prof Shibasaki Ryosuke</i>) Japan #35081</p> <p>Wed.A33 Transdisciplinary Methods in Big Room Collaboration (<i>Susa Eräranta, Antti Kauppi</i>) Finland #35050</p> <p>Wed.A34 Consistency Analysis of City Indicator Data (<i>Yetian Wang and Mark S. Fox</i>) Canada (Book Chapter 20)</p>	<p>ThuA3 Planning of Human Services</p> <p>Thu.A31 A study on the distribution feature of healthcare facility in compact city (<i>Feifan Xu, A/Prof. Shichen Zhao, Ryota Wakabayashi, Prof Shinji Ikaruga</i>) Japan #35255</p> <p>Thu.A32 Household Activity Travel Simulator for Child-care: the "Activity Re-scheduler with Interactive Generation of Alternative Travel Opportunities (ARIGATO-Childcare)" (<i>Dr Toshinori Ariga, Dr Sadayasu Aono, Prof Nobuaki Ohmori</i>) Japan #35018</p> <p>Thu.A33 Research on urban public facilities distribution planning based on cell phone data and two-step floating catchment area method (<i>Dr Wu Hao, Dr Jiao Hongzan, Prof Peng Zhenghong, Dr Liu Lingbo</i>) China #35017</p> <p>Thu.A34 Enrolment Simulation Application: cloud-based data analytics for school planning (<i>Yuan Deng</i>) Australia #35658</p>
<p>WedA4 Modelling Populations and Households</p> <p>Wed.A41 Comparison of sample free and sample based synthetic populations (<i>Prof Robert Tanton, Dr Yogi Vidyattama, Dr Nam Huang, Dr Johan Barthelemy</i>) Australia #35139</p> <p>Wed.A42 Development of Spatial Micro-Simulation for Forecasting Households Distribution (<i>A/Prof. Atsushi Suzuki, A/Prof. Nao Sugiki, Prof. Kazuaki Miyamoto</i>) Japan #35636</p> <p>Wed.A43 Urban Growth Modelling Scenarios for Peri-urban Areas in Greater Cairo Region, Egypt (<i>Muhammad Salem, A/Prof Naoki Tsurusaki, A/Prof Prasanna Divigalpitiya, Dr Taher Osman</i>) Japan and Egypt #35147</p> <p>Wed.A44 Household Micro-Simulation Model Considering Observed Family Histories in a Suburban New Town (<i>Prof. Nao Sugiki, Prof. Kazuaki Miyamoto, Akinari Kashimura, and Noriko Otani</i>) Japan (Book Chapter 12)</p>	<p>ThuA4 Planning Urban Form and Structure-Neighbourhood level</p> <p>Thu.A41 Deriving urban neighborhood characteristics using spatial autocorrelation measures (<i>Mark Brussel, Deepthi Durg, Mr Devidas Tambe, Prof Alfred Stein, Prof Martin van Maarseveen, A/Prof Mark Zuidgeest</i>) The Netherlands #35249</p> <p>Thu.A42 Urbanmetrics: An Algorithmic-(Para)metric Methodology for Analysis and Optimization of Urban Configurations (<i>Fernando Lima, Nuno Montenegro, Rodrigo Paraizo and José Kós</i>) Brazil and Portugal (Book Chapter 3)</p> <p>Thu.A43 Proposal of a Support System for Formulating Compact City Planning Based on the "20-Minute Neighborhoods" Concept (<i>Reiko Sugihara, Prof Shinji Ikaruga, A/Prof Takeshi Kobayashi, A/Prof Junhwan Song, A/Prof Shichen Zhao, Mr Tom Armstrong, Mr Nick Kobel</i>) Japan & USA #35076</p> <p>Thu.A44 Proposal of Designation Method of Suburban Community Base for Compact City (<i>Takeshi Kobayashi, Prof Shinji Ikaruga, Prof Junhwan Song,</i>) China #35100</p>
<p>WedA5 Greening the City</p> <p>Wed.A51 City Afforestation: Abstracting the Urban Geometries into Tree Structures for Urban Fabric Optimization (<i>Yufan Miao, Dr Reinhard Koenig, Katja Knecht</i>) Switzerland #35118</p> <p>Wed.A52 Landscape Analysis of Greenery in Tourist Area (<i>Prof. Shin Yoshikawa</i>) Japan #35198</p> <p>Wed.A53 Advanced Spatial Analysis for Vegetation Distributions Aimed at Introducing Smarter City Shrinkage (<i>Kiichiro Kumagai, Hitoshi Uematsu and Yuka Matsuda</i>) Japan (Book Chapter 26)</p> <p>Wed.A54 Regionalization of high resolution data in global-scale analysis and its application in urban land extraction with GLC 30 (<i>Yuli Fan, Prof Qingming Zhan, Huizi Zhang, Tianyue Luo, Meng Zhan</i>) China #35164</p>	<p>ThuA5 Urban Climates and Planning</p> <p>Thu.A51 The cooling and ventilation effects of residential vegetation in hot summer and cold winter zone (<i>Zhang Li, Prof. Zhan Qingming, Lan Yuliang</i>) China #35320</p> <p>Thu.A52 Urban Environmental Climatic Map: Supporting Urban Planning with Local Climate for Adapting to the Climate Change and Mitigating Urban Heat Island (<i>Prof Takahiro Tanaka, Dr Kaoru Matsuo, Yui Sasaki</i>) Japan #35170</p> <p>Thu.A53 Optimizing the Urban Thermal Environment in Local Climate Zone in Wuhan, China (<i>Yafei Yue, Prof. Qingming Zhan, Dr Jiong Wang</i>) China #35137</p> <p>Thu.A54 Landsat Surface Temperature Data Analysis for Urban Heat Resilience: Case Study of Adelaide (<i>Ehsan Sharifi, Alpana Sivam, Sadasivam Karuppanan and John Boland</i>) Australia (Book Chapter 24)</p>
<p>WedA6 Planning Support Systems for Disaster Prevention-1</p> <p>Wed.A61 A Framework of Disaster Prevention and Reduction Planning Support System in Rural Areas (<i>Huiman Liu, Professor Qingming Zhan, Weisi Zhang, Chen Yang</i>) China #35166</p> <p>Wed.A62 Development of loss and recovery model of corporate transactions for earthquake disaster based on the Great East</p>	<p>ThuA6 Disaster Mitigation Planning and Management</p> <p>Thu.A61 Characteristics of Evacuation and Non-evacuation Behavior in Urban Areas Inundated by Tsunami Attacks (<i>Yuki Murayama, A/Prof. Tatsuya Kishimoto, Dr Takashi Yamada</i>) Japan #35067</p> <p>Thu.A62 Evaluation of Evacuation Plan: Taking Account of Responsiveness of Performance to the Uncertainty around Hazards</p>

NOTE: All papers are 20 minute presentation slots (see pg2-5). Colour coding indicates similarly themed groupings of papers.
Final Program subject to acceptance of outcomes of peer reviews. (As of 26 June 2017)

<p>Japan Earthquake and tsunami (Dr Yoshiki Ogawa, Dr Yuki Akiyama, A/Prof Ryosuke Shibasaki) Japan #35145</p> <p>Wed.A63 Flood impacts on residential property prices in frequently flooded areas: Evidences from Kanda river basin, Tokyo (A/Prof. Ryo Inoue, A/Prof Daisuke Komori) Japan #35093</p> <p>Wed.A64 Integrated Modelling of Disaster Damage and Relief Demand Estimation in Urban Areas (A/Prof.Erick Mas, Dr Rubel Das, Dr Luis Moya, Dr Bruno Adriano, Mrs Luisa Urrea, Prof Shunichi Koshimura) Japan #35125</p>	<p>(Fuko Nakai) Japan #35042</p> <p>Thu.A63 A Decision Support System for Fighting Multiple Fires in Urban Areas Caused by Large Earthquakes (Toshihiro Osaragi and Noriaki Hirokawa) Japan (Book Chapter 5)</p> <p>Thu.A64 Use of GIS in Pedestrian Route Evacuation from Floods and Agent-based Models (A/Prof. Hitomi Nakanishi, Prof John Black, Ms Parisa Pakzad) Australia #35587</p>
<p>WedA7 Transport Modelling</p> <p>Wed.A71 Trip Reconstruction with Transportation Mode and Location Labeling on Big GPS Trajectory with Low Data Rate (Dr Apichon Witayagkurn, Prof Ryosuke Shibasaki) Japan #35085</p> <p>Wed.A72 Metropolitan Melbourne residential transport: A VKT regression model to estimate energy consumption and GHG emissions (Raul Marino) Australia #35116</p> <p>Wed.A73 Investigating Theoretical Development for Integrated Transport and Land Use Modelling Systems (Dr Li Meng, Dr Andrew Allan and Dr Sekhar Somenahalli) Australia (Book Chapter 15)</p> <p>Wed.A74 Electric Vehicle Route Selection Algorithm for Placement Planning of Charging Station (Hideaki Uchida, Dr Hideki Fujii, Dr Shinobu Yoshimura) Japan #35133</p>	<p>ThuA7 Transport Planning-Cycling</p> <p>Thu.A71 Bicycle Infrastructure Assessment Using Smartphone Sensors and Geographic Information System (Prof Antonio Nelson Rodrigues da Silva, Javier Núñez, Danilo Biscosini) Brazil #35409</p> <p>Thu.A72 Developing a bikeability index in the context of transit-oriented development (TOD) (Dr Anna Grigolon, Kurniawan Hartanto, Prof Martin van Maarseveen, Dr Mark Brussel) The Netherlands #35270</p> <p>Thu.A73 Towards a Sustainable Bicycle Lane Network: A Computational Approach Blending Context Sensitive Solution, Multiple-Criteria Decision Making and Geographic Information System (Carolina Souza, Dr Rodrigo Nóbrega) Brazil #35173</p> <p>Thu.A74 Spatial analysis of illegally parked bicycles in Kobe City (A/Prof. Yukikazu, Yamaguchi, Kentaro Okaji, Hidemi Sakatoku, Prof Yoshikazu Iwasaki) Japan #35101</p>
Lunch: 1.00 – 2.00 pm	Lunch: 12.30 – 1.30 pm
WedB Parallel Sessions: 2.00 – 3.30 pm (90 min)	ThurB Parallel Sessions: 1.30 – 3.00 pm (90 min)
<p>WedB1 Big Data 2</p> <p>Wed.B11 Jobs-housing balance and self-containment of employment using big data (Joseph Xingang Zhou, Prof Anthony G. O. Yeh, Dr Yang Yue) Hong Kong & China #34992</p> <p>Wed.B12 Shared urbanism: Big data on accommodation sharing in urban Australia (Dr Somwrita Sarkar, Prof Nicole Gurrin) Australia #35053</p> <p>Wed.B13 Sensitivity analysis of map matching techniques of high sampling rate GPS data point of probe taxi on dense open street map road network of Bangkok in a large-scale data computing platform (Saurav Ranjit, Dr Masahiko Nagai, Dr Apichon Witayagkurn, Prof Ryosuke Shibasaki) Japan #35131</p>	<p>ThuB1 Smart Urban Futures-1</p> <p>Thu.B11 CityDash: Visualising a Changing City Using Open Data (Christopher Pettit, Scott N. Lieske and Murad Jamal) Australia (Book Chapter 19)</p> <p>Thu.B12 Evolution of a Synthetic Population and its Daily Mobility Patterns under Spatial Strategies for Urban Growth (Simone Z. Leao, Nam Huynh, Alison Taylor, Chris Pettit and Pascal Perez) Australia (Book Chapter 22)</p> <p>Thu.B13 Opening the Search Space for the Design of a Future Transport System Using 'Big Data' (Vinutha Magai Shreenath and Sebastiaan Meijer) Sweden (Book Chapter 14)</p>
<p>WedB2 Social Media and Planning-2</p> <p>Wed.B21 Large scale community engagement using social media and public participation GIS (Wayne Williamson, A/Prof. Kristian Ruming) Australia #34944</p> <p>Wed.B22 Urban Activity Explorer: Visual Analytics and Planning Support Systems (Alireza Karduni, Isaac Cho, Ginette Wessel, Wewen Dou, William Ribarsky and Eric Sauda) USA (Book Chapter 4)</p> <p>Wed.B23 Topological characterization of road network growth (Ylenia Casali) Switzerland #35072</p>	<p>ThuB2 AURIN (to be confirmed)</p> <p>This workshop runs 1.30pm to 3.30pm</p>
<p>WedB3 Special Sessions</p> <p>Wed.B31 (2.00pm-3.00pm) Professor Sharon Biermann, Director of Planning Transport Research Centre (PATREC) of the University of Western Australia provides an overview of the just published book, "Planning Boomtown and Beyond".</p> <p><i>This book Assembling an inspiring collection of analyses, cases and policy options, this is a book that shows possibilities for the modern-day Boomtown of Perth, Western Australia (WA), on a trajectory to almost double its size by 2050. It provides guidance in developing the vision, foresight and preparedness necessary in planning and managing both the positive and negative consequences of boomtown's across time and space.</i></p> <p>Wed.B32 (3.00pm-3.30pm) Models and Methods for Representation, Prediction, and Planning Support (Presentation only) Prof.Richard Klosterman Professor Emeritus, Geography, Planning and Urban Studies, The University of Akron; Akron, Ohio, USA</p>	<p>ThuB3 Planning for Urban Vitality</p> <p>Thu.B31 Vending the City: Mapping the Policy, Positioning and Policing of Vending in New York City (Rida Qadri) USA (Book Chapter 23)</p> <p>Thu.B32 Memes for directions (Dr Louisa Carter) Australia #33442</p> <p>Thu.B33 The rule-based modeling and its role in urban design and visualization: "A case study of optimized planning in an old urban district" (Yanwen Luo, Prof Jiang He) China #35193</p> <p>Thu.B34 Revisiting Urban Vitality with Emerging New Data for Chinese Cities (A/Prof. Ying Long, Prof. Anrong Dang) China #35008</p>
<p>WedB4 Land Use Modelling</p> <p>Wed.B41 Calculating spatial urban sprawl indices using open data (Luciano Gervasoni, Marti Bosch, Prof. Serge Fenet, Peter Sturm) France #35207</p> <p>Wed.B42 Vector-based Cellular Automata (CA) modelling of land use change (Yi Lu, A/Prof Shawn Laffan, Prof Chris Pettit) Australia #35051</p> <p>Wed.B43 An Integrated Agent Based Model for Urban Location Choice and Land Use Change (Dr Donghan Kim) Korea #35155</p>	<p>ThuB4 Planning Metropolitan Urban Form and Structure</p> <p>Thu.B41 Research on Residents' Jobs-housing Relationship in Beijing Based on Users' APP Data: Spatial Characteristics and Planning Strategies (Bei Wang, Liang Wang, Yilong Rong, Xiaochun Huang, Hui Cheng) China #35117</p> <p>Thu.B42 Developing the Well-Located Land Index to Establish Smart Human Settlements for the Ekurhuleni Municipality, South Africa (Baleseng Tlholohelo Mokoena, Walter Musakwa and Themani Moyo) South Africa (Book Chapter 6)</p> <p>Thu.B43 Exploring the spatial network structure of urban agglomeration from social network perspective: a case study of Wuhan Urban Circle (Prof Helin Liu, Mr Jingxin Nie) #35134</p> <p>Thu.B44 Identification and evolution of live-work-play centers of Chinese cities using emerging new data (Juan Li, Ying Long, Mr Anrong Dang) China #35153</p>
<p>WedB5 Mitigating Environmental Impact Through Planning</p> <p>Wed.B51 Exploring the Effects of Regional Development Scenarios on Nutrient Emission: Coupling Land Use Model MOLAND with the Source Load Apportionment Model (Dr Harutyun Shahumyan, Dr Eva Mockler, Prof Brendan Williams, Prof Michael Bruen) Ireland #34942</p> <p>Wed.B52 An Integrated Demand and Carbon Impact Forecasting Approach for Residential Precincts (Nicholas Holyoak, Michael Taylor, Michalis Hadjikakou, Steven Percy) Australia (Book Chapter 17)</p> <p>Wed.B53 Tool for Heat Island Simulation (THIS) and simulation of different urban scenarios (Dr Camila Nakata-Osaki, Dr Lea</p>	<p>ThuB5 Nil</p>

<p><i>Lucas de Souza, Dr Daniel Rodrigues) Brazil and Portugal #35187</i></p>	
<p>WedB6 Planning Support Systems for Disaster Prevention-2</p> <p>Wed.B61 Resilience evaluation for transportation networks accessibility under seismic risk (<i>Dr Nazli Yonca Aydin, Prof. Sebnem Duzgun, Prof. Hans Heinemann</i>) Switzerland #35078</p> <p>Wed.B62 Urban Improvement Policies for Reducing Human Damage in a Large Earthquake by Using Wide-Area Evacuation Simulation Incorporating Rescue and Firefighting by Local Residents (<i>Takuya Oki and Toshihiro Osaragi</i>) Japan (Book Chapter 25)</p> <p>Wed.B63 A Study on Simulation Model for Urbanization Considering Tsunami Disaster Risk in Japanese Provincial Cities (<i>Dr Kojiro Watanabe, Prof Hideo Yamanaka, Prof Akio Kondo</i>) Japan #35136</p> <p>Wed.B64 Risk Prevention and Management. A Multi-Actor and Knowledge-Based Approach in Low Density Territories (<i>Dr Alessandro Plaisant, Miriam Mastinu, Daniela Sini</i>) Italy #33461</p>	<p>ThuB6. Planning for Pedestrians and Walkability-2</p> <p>Thu.B61 Flow Characteristics of Walking and Standing Pedestrians on Station's Escalator (<i>Tetsuo Ohtake, Tatsuya Kishimoto</i>) Japan #35074</p> <p>Thu.B62 Testing the Effect of Sidewalk Design Qualities on Pedestrian Movement at a Commercial Street in Cairo City (<i>Hussam Eldine Mohamed, Masahiro Shohmitsu and Dr.Toshiyuki Kaneda</i>) Egypt and Japan #35244 Presentation only</p> <p>Thu.B63 The Walkability Planning Support System: An Evidence based Tool to Design Healthy Communities (<i>Claire Boulange, Chris Pettit and Billie Giles-Corti</i>) Australia (Book Chapter 9)</p>
<p>WedB7 Travel Behaviour</p> <p>Wed.B71 Evaluation of Convenience in Daily Travel for Residents in Housing Development Areas in the Suburbs Using Utility-Based Accessibility Measures (<i>Prof Michiyasu Odani, Dr Kazuki Terayama</i>) Japan #34987</p> <p>Wed.B72 Identifying Barriers to Sustainable Mobility Through a Combination of Focal Groups and Online Surveys (<i>Professor Antonio Nelson Rodrigues da Silva, Mr Frank Ferreira, Dr Gustavo Manzato, Mr Murilo Fabricio</i>) Brazil #35541</p> <p>Wed.B73 Patterns of Commuting Flows for Delimitating Functional Urban Regions in the State of Sao Paulo, Brazil (<i>Dr Gustavo Garcia Manzato, Miss Larissa Limongi Aguiar, Professor Antonio Nelson Rodrigues da Silva</i>) Brazil #35174</p> <p>Wed.B74 Characterization of Non-Work Destinations in High Density and Transit Oriented Urban Areas (<i>Roberto Ponce-Lopez, Prof. Joseph Ferreira Jr.</i>) USA #35109</p>	<p>ThuB7 Measuring and Improving Public Transport Performance</p> <p>Thu.B71 Understanding the On-Time Performance of Bus Services across Adelaide Using Ticketing Data (<i>Callum Sleep, Dr Sekhar Somenahalli, Mona Mosallanejad</i>) Australia #35144</p> <p>Thu.B72 What is Driving Public Transport in Perth: Understanding Determinants and Dynamics? (<i>Dr S Zaung Nau</i>) Australia #35079</p> <p>Thu.B73 Mining Adelaide's Public Transport Smart Card Data for Exploring Passenger Travel Pattern (<i>Mona Mosallanejad, Dr Sekhar Somenahalli, Dr Wen Long Yue</i>) Australia #35148</p> <p>Thu.B74 Reducing travel time in Bus Rapid Transit through limited stop services, a GIS based approach (<i>Mark Brussel, Gelareh Ghaderi, Dr Anna Grigolon, Frans van den Bosch</i>) #35140</p>
<p style="text-align: center;">Afternoon Coffee: 3.30 – 4.00 pm</p>	
<p style="text-align: center;">WedC Parallel Sessions: 4.00 – 5.30 pm (90 min)</p>	
<p>WedC1 Crowd Sourcing and Map Based Platforms</p> <p>Wed.C11 A Study on Mobile Applications for Public Involvement in Crowdsourcing-based Urban Management: Small Towns in China Are Taken As Examples (<i>Xiaofeng Li, Zhengdong Huang</i>) China #35135</p> <p>Wed.C12 Time and timing in the city: how to represent dynamic urban entities in a map-based platform (<i>Lucia Lupi, Dr Alessio Antonini, Prof Guido Boella, Dr Claudio Schifanella</i>) Italy #35341</p> <p>Wed.C13 Use of Open Source Geographic Information Systems Applied in Transport Studies (<i>German Filho, Dr Simone Becker Lopes</i>) Brazil #35258</p>	<p>ThuC1 Web, Open Sourced Data and Map based Planning</p> <p>Thu.C11 Using online simulations to improve face-to-face engagement (<i>Camille Barchers</i>) USA #35073</p> <p>Thu.C12 Open Data and Human-Based Outsourcing Neighborhood Rating: A Case Study for San Francisco Bay Area Gentrification Rate (<i>Eleanna Panagoulia</i>) USA (Book Chapter 18)</p> <p>Thu.C13 An Advanced Web API for Isochrones Calculation Using OpenStreet Map Data (<i>Yiqun Chen, Abbas Rajabifard and Jennifer Day</i>) Australia (Book Chapter 11)</p> <p>Thu.C14 Development and Operation of Dynamic Real-Time Navigation System (<i>A/Prof. Kayoko Yamamoto, Shun Fujita</i>) Japan #35025</p>
<p>WedC2 Urban Planning Indicators-1</p> <p>Wed.C21 An Ontology-Based, Linked Open Data Framework to support the Publishing, Re-use and Dynamic Calculation of Urban Planning Indicators (<i>Prof Jane Hunter, Dr Salvatore Pileggi</i>) Australia #35271</p> <p>Wed.C22 Spatial Analytics for the Identification of Salient Urban Areas (<i>Lara-Britt Zomer, Dr Dorine Dulves, Dr Oded Cats, Prof Serge Hoogendoorn</i>) The Netherlands #34943</p> <p>Wed.C23 Is Neighborhood Perception Close to Reality? Evaluating Neighborhood Quality of Life Indicators for Atlanta (<i>Prof Subhrajit Guhathakurta, Dr Ge Zhang, Guanxi Chen, Caroline Burnette, Isabel Septowitz, Boruo Chen</i>) USA #35256</p>	<p>ThuC2 2D, 3D and 4D Visualizations</p> <p>Thu.C21 Three Dimensional Urban Modeling for Landscape Analysis in Railway Overpass Project (<i>A/Prof. Takashi Yamano, Mr Ryu Izutsu</i>) Japan #36401</p> <p>Thu.C22 Painting with Data: Interactive Voxel-based 3D and 4D Geospatial Computing (<i>Carlos Olascoaga</i>) USA #35108</p> <p>Thu.C23 From Blue-printing to Finger-printing: Building Healthy Communities with Scenario Planning (<i>Ming-Chun Lee</i>) USA (Book Chapter 21)</p>
<p>WedC3 Planning Support Systems-Institutional/Political systems</p> <p>Wed.C31 Using the Plan Prediction software to forecast political election results (<i>Dr Ray Wyatt</i>) Australia #35039</p> <p>Wed.C32 Smart cities in South Africa! A case of misplaced priorities? (<i>Dr Walter Musakwa, Ms Baleseng, T Mokoena</i>) South Africa #36400</p> <p>Wed.C33 Towards the Development of a Monitoring System for Planning Policy (<i>Claire Daniel</i>) United Kingdom (Book Chapter 2)</p> <p>Wed.C34 Adelaide Road Usage Charge Scheme Public Acceptance Study (<i>Wenjian Yu</i>) Australia #35156</p>	<p>ThuC3 Citizen Planning</p> <p>Thu.C31 Evaluation of a Citizen Feedback and Monitoring System for Urban Infrastructure Issues (<i>Dr Toshikazu Seto, Dr Yoshihide Sekimoto, Akihisa Murakawa, Ryuichi Matsushima</i>) Japan #35041</p> <p>Thu.C32 How to use ICT tools in urban planning participation: Explaining and predicting citizen participation intention from an extended Theory of Planned Behaviour perspective (<i>Wenshu Li, Tao Feng, Ming Zhang, Harry J.P. Timmermans</i>) Netherlands & USA #35251</p> <p>Thu.C33 Social Sensing: The Necessary Component of Planning Support Systems for Smart City in the Era of Big Data (<i>Wencheng Yu, Qizhi Mao, Song Yang, Songmao Zhang and Yilong Rong</i>) China (Book Chapter 13)</p>
<p>WedC4 Cultural and Tourism Planning</p> <p>Wed.C41 A Tale of Two Brooklyns: Heterogeneous Preferences in Cultural Consumption between "Urban" and "Suburban" Brooklyn (<i>Wenfei Xu</i>) USA #35151</p> <p>Wed.C42 Current Situation of Inbound Tourism in Japan and Inbound Tourist Behaviour Model (<i>Dr Akiko Kondo, Prof. Akio Kondo, Prof Satoshi Togawa</i>) Japan #35069</p> <p>Wed.C43 A Dynamic Real-Time Navigation System for Urban Tourists (<i>Kayoko Yamamoto and Shun Fujita</i>) Japan (Book Chapter 10)</p>	<p>ThuC4 Smart Urban Futures-2</p> <p>Thu.C41 Planning the Smart City or Planning the City Smartly? Comparison between EU Smart City initiatives and planning reality in the Helsinki Capital Region (<i>Otso Helenius, Prof. Milos Mladenovic, Prof. Aija Staffans</i>) Finland #35091</p> <p>Thu.C42 Projection for new city futures- A case study for Kuwait (<i>Nayef Alghais, Dr David Pullar</i>) Australia #35001</p> <p>Thu.C43 Does Activity Fulfil Aspiration? A Contextual Comparison of Smart City Applications in Practice (<i>Lisanne de Wijs, Patrick Witte, Daniel de Klerk and Stan Geertman</i>) The Netherlands (Book Chapter 27)</p>
<p>WedC5 Planning for Resilience</p> <p>Thu.B51 Designing with Data for Urban Resilience (<i>Nano Langenheim, Marcus White, Jack Barton and Serryn Eagleson</i>) Australia (Book Chapter 7)</p> <p>Thu.B52 Geodesign, Resilience, and the Future of Former Mega event Sites (<i>Jennifer Minner</i>) USA (Book Chapter 8)</p> <p>Thu.B53 Planning Support Systems for the Implementation of Renewable Energies and Model City Redevelopment (<i>Rolf Schuett</i>) Germany #33406)</p>	<p>ThuC5 Nil</p>
<p>WedC6 Planning for Pedestrians and Walkability-1</p>	<p>ThuC6 Planning Safe Routes in the City</p>

<p>Wed.C61 Agent Simulation to Assess the Influence of Lay-out of Furniture in Open Space on Pedestrian Movement (Prof Toshiyuki Kaneda, Yuri Morita, Satoshi Ohashi, Takayuki Mizuno) Japan #35006</p> <p>Wed.C62 Analysis of the correlation between underground spatial configurations and pedestrian flows by using space syntax measures: A case study of the Sakae district underground mall complex (Prof. Toshiyuki Kaneda, Rikako Mizuno, Dr Akira Ota, Gadea Uriel) Japan #35005</p> <p>Wed.C63 Walking access to public transport in Adelaide: Issues and concerns (Nabela Tasnim, Dr Sekhar Somenahalli, Mr Callum Sleep) Australia #35562</p> <p>Wed.C64 Visualizing environmental data for pedestrian comfort analysis in urban planning processes (Dr Beata Stahre Wästberg, Prof Monica Billger, A/Prof Jens Forssén, Ms Maria Holmes, Dr Per Jonsson, Dr Daniel Sjölie, Mr Dag Wästberg) Sweden #35905</p>	<p>Thu.C61 A Study on the Influence of Encounter with Target and Physical Factors around School Route Given to the Suspicious Persons Targeting Schoolchildren (Dr Chiaki Matsunaga, Kyoko Tsukamaoto, Tatsuru Tajima, Daiju Ago, A/Prof Yoshinao Oeda, A/Prof Satoshi Toi) Japan #35652</p> <p>Thu.C62 Data Tell Us How to Plan and Manage a Safe City (Dr Ryosuke Ando, Dr Keiichi Higuchi, Dr Yasuhiro Mimura) Japan #34998</p> <p>Thu.C63 Evaluation of Pedestrian Safety at Unsignalised Intersection under Mix Traffic Condition Using Surrogate Safety Measures (Harsh Shah, P Vedagiri) India #35612</p> <p>Thu.C64 Traffic flow estimates based on structure of built environment, a case study of New York City (Rajesh Chaturvedi, K S Rajan) India #35048</p>
<p>WedC7 Transport Planning-the Road System and Bus Based Transit</p> <p>Wed.C71 Topological characterization of road network growth (Ylenia Casali) Switzerland #35072</p> <p>Wed.C72 The analysis of Indian drivers' characteristics on the road using long-term probe data (Riko Sakata, Hiroshi Kanasugi, Mr Yoshido Sekimoto) Japan #35129</p> <p>Wed.C73 The Mode Most Traveled: Transportation Infrastructure Implications and Policy Responses (Tayo Fabusuyi and Robert C. Hampshire) USA (Book Chapter 16)</p> <p>Wed.C74 Design principles for transformation of a conventional bus route into a bus rapid transit corridor facilitating transit-oriented developments (BTODs) (Mr Munshi Nawaz, Dr Sekhar Somenahalli, Dr Andrew Allan) #35917</p>	<p>ThuC7 Transport Planning-Rail and Tram Public transport</p> <p>Thu.C71 Identification of Optimal Railway Line Extension to Link Dubai EXPO 2020 Site with Dubai Metro Red Line - a Sustainable Example (Dr Bashar Almosuli and Dr Andrew Allan) Australia #35613</p> <p>Thu.C72 The extension of Adelaide's tramline to the City's East End and its implications for building a sustainable urban transport system in Metropolitan Adelaide (Ha Nguyen, Dr Andrew Allan) Australia #35154</p> <p>Thu.C73 An analysis on the interaction of ridership and land-use: the perspective from connectivity between subway stations (Qi Chen, Professor Shichen Zhao, Go Higuchi) Japan #35066</p> <p>Thu.C74 Spatial complexity; identifying critical zones in the Egyptian underground reciprocal stations (Eman Abou Bakr) Egypt #35171</p>
FINISH 5.30 pm	FINISH 5.00 pm

CONFERENCE THEMES

KEY	TRACK
	1. Big Data, the Web and Smart Urban Futures
	2. The Web, Planning Indicators and Visualizations
	3. Planning Support Systems, Community and Governance
	4. Modelling, Planning, Urban Structure and Smart Urban Futures
	5. The Environment and Resilience Planning
	6. Planning for Disaster Prevention, Pedestrians and Walkability
	7. Transport Modelling and Planning

CONFERENCE POSTERS

NUMBER AND ID	POSTER TITLE	AUTHOR/S	COUNTRY
01. ID: 35624	Analysis for Service-providing Area of Home Care Based on Actual Data	Mr Yasuhiro Nohara, A/Prof Eiji Satoh	Japan
02. ID: 35614	Factor Analysis on Population Change Distribution and Consideration on Urban Area Concentration in Rural Middle City	Mr Hisanori Yagi, Mr Kyohei Kajie, Mr Shota Tamura, Mr Keitaro Ozawa, Mr Takahiro Tanaka	Japan
03. ID: 35530	A research on the influence of resistance for pedestrians to using public transport on urban accessibility	Mr Le Phong Nguyen, Prof Yoshikawa Tohru	Japan
04. ID: 35304	The role of distance in the Internet Age: evidence from cities in the Internet news media and the Internet search in China	Mr Bo Wang, Prof Becky Loo	Hong Kong
05. ID: 36030	Fine particulate air pollution and environmental health inequality in urban China	Dr Weifeng Li	Hong Kong
06. ID: 35651	Analysis on the factors of temperature distribution for making the Urban Environmental Climate Maps in coastal urban area	Ms Yui Sasaki, Ms Kirara Kodamam, Ms Kaoru Matsuo, Mr Makoto Yokoyama, Mr Takahiro Tanaka, Mr Satoru Sadohara	Japan
07. ID: 36036	The Impact of Mass Rapid Transit Lines on Car Ownership and Travel Mode Choice — Evidences from the Opening of the Circle Line in Singapore	Dr Mi Diao, Miss Fangzhou Dai	Singapore
08. ID: 35667	Investigating structural changes in major centres in the Sydney metropolitan area	Prof. Ali Soltani	Iran and Australia
09. ID: 35627	Railway transportation network: How high-speed railway shapes the mega-city regions in China	Ms Xiayan Mu, Dr Xiaohu Zhang, Prof Anthony Yeh	Hong Kong, USA
10. ID: 35626	A Planning Support System Based On Cloud-Computing and Mobile Devices for Smart Urbanization in Networked Townships	Dr Ming Zhang, Ms Xiaofeng Li, Mr Bin Li	USA, China
11. ID: 35621	Development of an Emergency Response Algorithm Focusing on Shortening of Response Time	Dr Tatsuya Suzuki, A/Prof Eiji Satoh	Japan
12. ID: 35616	Analyzing the Spatial Temperature Distribution Patterns in the Urban Area for Making Urban Environmental Climate Maps as Urban Planning and Urban Management Support Tool	Dr Kaoru Matsuo, Prof Takahiro Tanaka	Japan
13. ID: 35675	Uncovering the Capitalization Effects of Walking Accessibility Using Spatial Econometrics	Mr Linchuan Yang	Hong Kong
14. ID: 35672	Residential real estate price indices in Hong Kong: A pseudo-repeat sales approach	Mr Linchuan Yang, Mr K.W. Chau	Hong Kong
15. ID: 35643	A Tool to promote the capability of Mutual Assistance for Earthquake Disaster Mitigation	Dr Kazuki Karashima, Prof Akira Ohgai	Japan
16. ID: 35648	Analysis of Pedestrian Activity Space in Shopping Areas of the City Center	Dr Kazuki Terayama, Prof Michiyasu Odani, Mr Akimasa Sakamoto	Japan
17. ID: 35595	A study on quantitative analyst for center of region	Ms Momoka Shikano, A/Prof Eiji Satoh	Japan
18. ID: 36149	How block density and typology affect urban vitality: An exploratory analysis in Shenzhen, China	Dr Xingjian Liu	Hong Kong

NOTE: All papers are 20 minute presentation slots (see pg2-5). Colour coding indicates similarly themed groupings of papers.
Final Program subject to acceptance of outcomes of peer reviews. (As of 26 June 2017)

19. ID: 36151	The equity and spatial implications of transit fare based on smartcard data	Dr Jiangping Zhou	USA
20. ID: 36363	Automatic Generation of Hybrid Skeleton-Grid Navigation Graph from Building Information Model	Mr Teng Zhong, Prof Gar On Yeh	Hong Kong
21. ID: 35646	Urban shrinkage and Small Core Formation for Improving Residential Quality of Life and Disaster Resilience in Rural Region	Mr Noriyasu Kachi, Mr Ryosuke Kajimoto, Prof Kenichi Tsukahara, Dr Yuki Akiyama	Japan
22. ID: 34733	Visualizing the intercity correlation of PM2.5 time series in the Beijing-Tianjin-Hebei area using ground-based air quality monitoring data	Dr Jianzheng Liu, Dr Weifeng Li, Dr Jie Li, Dr Xingjian Liu	Hong Kong, UK
23. ID: 35617	Quantitative analysis of home healthcare providing system in Japan based on visit simulation	Mr Takayuki Miyake, Mr Eiji Satoh, Nobuo Mitsuhashi	Japan
24. ID: 35609	A Study on future estimation of depopulated settlements with advanced aging - A case of Kuriyama area, Nikko city, Tochigi prefecture -	Ms Nozomi Kuzuhara, A/Prof Eiji Satoh	Japan
25. ID: 35608	A Study on the Reorganization of Public Housing Based on Estimation of Future Population	Ms Aya Miura, A/Prof Eiji Satoh	Japan
26. ID: 35603	Quantitative study on the structure of a city center	Mr Ryo Shimamura, A/Prof Eiji Satoh	Japan
27. ID: 35539	A multi-municipality computable general equilibrium analysis for transport investment project appraisal in Tokyo Metropolitan Area	Dr Tomoki Ishikura	Japan
28. ID: 35159	Optimizing the Urban Thermal Environment in Local Climate Zone in Wuhan, China	Mr Yafei Yue, Mr Qingming Zhan, Mr Jiong Wang	China
29. ID: 33037	A global land-use and land-cover change product at a 1-km resolution for 2010-2100	Prof. Xia Li	China
30. ID: 35569	Identifying Intra-city Residential Spatial Distribution Changes using Transit Smart Card Data	Dr Yang Yue, Miss Qi-Li Gao, Prof Anthony Yeh, Prof Qing-Quan Li	China, Hong Kong
31. ID: 35642	A Cloud-Computing Based Planning Support System of Conflict-Detecting and Early Warning for Multi-Plan Integration in Small Cities and Towns	A/Prof. Ningrui Du, A/Prof. Jingnan Huang, Mr Guoen Wang, Miss Huizhen Shu	China
32. ID: 35645	Design and Implementation of Ecological Carrying Capacity Evaluation System Based on Cloud-Computing: An Application to Hubei Shennongjia Forestry District, China	A/Prof. Ningrui Du, Mr Jingnan Huang, Mr Guoen Wang, Mr Chengyue Li	China
33. ID: 35576	Dynamic Visualization of Mobile Big Data for Planning Support: A Case Study on Jeju Island	David Kim	South Korea
34. ID: 36175	Drones, Sensors and the Transport-Land Use-Air Quality Nexus	Prof. Zhong-Ren, Peng	China
35. ID: 36273	Synthetic Population Framework for developing countries: Conceptual analysis based on literature	Jayita Chakraborty, Debapratim Pandit	India
36. ID: 32739	The Adjustment Methods of City Land Layout under the Guidance of Spatial Economic Performance and Vitality	REN Xiaojuan, CHEN Xiaojian , MA Quan	China
37. ID: 35593	3D Spatial Morphological Analysis of Mound Tombs Based on LiDAR Data	Dr Lin Yang (ViceProf.), Anping Pei	China