

## Urban Complex Systems Program at a glance

Time	December 09, 2020
10:15 - 10:30	Opening
10:30- 12:00	Oral Sessions O1: Mobility
12:00 - 13:00	Lunch break
13:15 - 14:30	Oral Sessions O2: Transportation
14:30 - 14:45	Coffee Break
14:45 - 15:25	Speaker 1: L. M. Aiello
15:25 - 16:40	Oral Sessions O3: Social
16:40 - 17:00	Coffee Break
17:00 - 17:40	Speaker 2: J. Menche
17:40 - 19:00	Oral Sessions O4: Urban planning

Time	December 10, 2020
12:00 - 13:15	Lunch break
13:15 - 14:30	Oral Sessions O5: City
14:30 - 14:45	Coffee Break
14:45 - 15:25	Speaker 3: A. Rizzo
15:25 - 16:40	Oral Sessions O6: Networks
16:40 - 17:00	Coffee Break
17:00 - 17:40	Speaker 4: R. Cremades
17:40 - 19:00	Oral Sessions O7: Transportation

ID	Authors	Title	Session	order
41	Filippo Simini, Gianni Barlacchi, Massimiliano Luca and Luca Pappalardo	Deep Gravity: enhancing mobility flows generation with deep neural networks and voluntary ge	1	A
33	Josep-Maria Salanova, Meropi Pavlidou and Georgia Aifadopoulou	Origin-Destination Matrices Fusion	1	B
18	Yohei Shida, Hideki Takayasu, Shlomo Havlin and Misako Takayasu	Scaling Laws of Synchronized Human Movements in Metropolitan Areas using GPS Data	1	C
38	<a href="#">José Mauro Ribeiro, Carolina Xavier, Alexandre Evsukoff and Vinícius Vieira</a>	Defining and characterizing a multilayer contact network from mobile phone and census data	1	D
12	<a href="#">Astha Jakher and Java Sreevalsan-Nair</a>	Community Detection in Migration Flow Networks	1	E
23	Maria Liatsikou, Symeon Papadopoulos, Lazaros Apostolidis and Ioannis Ko	A Denoising Ensemble Model for Anomaly Detection in Trajectory Sequences	1	F
17	Cristina Bustos, Daniel Rhoads, Albert Solé-Ribalta, David Masip, Alex Are	Explainable, automated urban interventions to improve pedestrian and vehicle safety	2	A
13	Aniello Lampo, Javier Borge-Holthoefer, Sergio Gómez and Albert Solé-Rit	Emergence of multiple abrupt phase transitions in urban traffic congestion	2	B
32	<a href="#">Josep-Maria Salanova, Zisis Maleas and Georgia Aifadopoulou</a>	Framework For On-Demand And Ride-Sharing Transport Services Planning	2	C
20	Nir Fulman, Aleksey Ogulenko and Itzhak Benenson	The Complex yet Manageable System of Urban Parking	2	D
4	Alessandra Cornaro and Daniele Grechi	Assessing robustness in railway networks	2	E
7	Silvia Leoni and Luca De Benedictis	Gender bias in the Erasmus network of universities	3	A
8	<a href="#">Renita Murimi</a>	On the Complexity of Assimilation in Urban Communities	3	B
28	Irene Psaroudakis, Antonietta Riccardo and Andrea Salvini	Understanding civic participation in neighborhoods. A mixed-methods approach.	3	C
42	Muhammad Arslan, Christophe Cruz and Dominique Ginhac	Understanding the human behaviors in dynamic urban areas of interest	3	D
26	Amitrajit Bose, Sivangi Tandon, Moumita Basu and Saptarshi Ghosh	Utilising Online Social Media for Coordinating Post-Disaster Relief in Urban Regions	3	E
15	<a href="#">Jason Bassett, Niccolo Pescetelli, Alex Rutherford and Manuel Cebrian</a>	Time-Critical Crowdsourced Emergency Responses in Urban Environments	4	A
14	Alessandro Galeazzi, Matteo Cinelli, Giovanni Bonaccorsi, Francesco Pierri,	Human Mobility in Response to COVID-19 in France, Italy and UK	4	B
36	<a href="#">Ian Scott, Flavio Pinheiro and Miguel Neto</a>	Bringing trust and transparency to the opaque world of waste management: An application of a	4	C
37	Ioannis Mallidis, Josep-Maria Salanova and Georgia Aifadopoulou	Optimization of the planning and operation of mobility services	4	D
30	Anastasia Funkner, Sergey Kovalchuk and Sergey Fokin	City-scale quality of health information system through text mining of electronic health records	4	E
1	Morgan Frank, Esteban Moro, Alex Pentland, Alex Rutherford, Manuel Cebri	Universal resilience patterns in labor markets	5	A
9	Marta C. Gonzalez and Yanyan Xu	Deconstructing laws of accessibility and facility distribution in cities	5	B
6	Anand Sahasranaman and Henrik Jensen	Distribution of neighbourhood size in cities	5	C
43	Giulia Cencetti, Lorenzo Lucchini, Riccardo Gallotti and Bruno Lepri	A Sim City model: the emergence of urban land use patterns	5	D
27	Hanae El Gouj, Christian Rincón-Acosta and Claire Lagesse	Urban morphogenesis analysis based on geo-historical road data	5	E
5	<a href="#">Eszter Bokanyi, Sándor Juhász, Márton Karsai and Balazs Lengyel</a>	The effect of commuting on the structure and assortativity of online social ties	6	A
19	Robert Harper and Philip Tee	Balancing Capacity and Epidemic Spread in the Global Airline Network	6	B
10	Ariel Salgado, Ziyun Yuan, Inés Caridi and Marta Gonzalez	A complex network framework for understanding urban park accessibility	6	C
31	Helena Freire de Almeida, João Marques Carrilho, Sara Eloy and Rui Lopes	Public space and soft mobility flows: a comparative network analysis	6	D
21	Robert Sitzenfrei, Mohsen Hajibabaei and Sina Hesarkazzazi	Dual Graph Characteristics of Pareto-optimal Water Distribution Networks	6	E
34	Jelena Losic and Marija Rasajski	Centrality based heuristic for solving the Uncapacitated Single Allocation Hub Covering Problem	7	A
39	Steven Skiena and Chao Xu	Marking Streets to Improve Parking Density	7	B
40	Yolène Berrou and Eddie Soulier	Smart city profile computation for use case modeling	7	C
29	Timothy Matisziw and Ashkan Gholamialam	Optimizing Facility Siting for Probabilistic Collection and Distribution of Information in Support (	7	D
35	<a href="#">Georgia Aifadopoulou, Eiripidis Magkos and Josep-Maria Salanova</a>	Identifying a holistic method for implementing a Bike Sharing System	7	E