



13th SICC International Tutorial Workshop "Topics in Nonlinear Dynamics" on Complexity and the City

Department of Electronics and Telecommunications - Politecnico di Torino

Torino, Italy, October 29-30 2018

PechaKucha Presentations

PechaKucha 20x20 is a simple presentation format where you show 20 slides, each for 20 seconds. The slides progress automatically and you talk along to the slides. Each participant will have 6:40 to talk and capture the attention of the audience!

The conference is sponsored by:



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Monday, 29 October 2018: 16.30 - 18.00

Gergely Szlobodnyik (Pázmány Péter Catholic University, Hungary)

Reachability analysis of discrete state epidemiological systems

Lorenzo Zino (Politecnico di Torino, Italy)

Fast diffusion of mutant mosquitoes in controlled evolutionary dynamics: a case study

Anna Calissano (Politecnico di Milano, Italy)

Perception and Urban Planning: an Object Oriented Data Analysis of Tweets in the Queen Elizabeth Olympic Park

Indaco Biazzo (Politecnico di Torino, Italy)

CityChrono: an interactive platform for accessibility in urban systems

Duccio Piovani (nam.R, France)

Building Digital Cities using French Open Data: A geospatial tool-kit

Loïc Bonnetain (ENTPE, University of Lyon, France)

Multi-modal Itinerary Reconstruction in Urban Areas via Mobile Phone Signaling Data

Jürgen Hackl (ETH Zurich, Switzerland)

Traffic flow estimation in urban areas using a complex network approach

Bartolomeo Silvestri (Politecnico di Bari, Italy)

Reallocation and balancing of vehicle sharing within a city through a incentive system

Luis Guillermo Natera Orozco (Central European University, Hungary)

Characterizing cities from their multiplex infrastructure patterns

Marco Coraggio (Università di Napoli, Italy)

Synchronization in piecewise-smooth networks

Matteo Zignani (Università degli Studi di Milano, Italy)

Non-routine places in urban human mobility

Tuesday, 30 October 2018: 16.00 - 17.30

Vlad Georgiev (University of Surrey, UK)

On controlling non-linear systems with XCSR

Francesco Lo Iudice (Università di Napoli, Italy)

A Kalman-like decomposition for dynamical networks

Carlos Perez Montenegro (Politecnico di Torino, Italy)

Asynchronous Multi-rate Sampled-data Control: an Embedded Model Control Perspective

Stefano Primatesta (Politecnico di Torino, Italy)

Safe Navigation for Unmanned Aerial Vehicles in Urban Environments

Said Benjamin Bonakdar (Ruhr University Bochum, Germany)

Endogenous Segregation Dynamics and Housing Market Interactions: an ABM approach

Carmela Calabrese (Università di Napoli, Italy)

Coordination and leadership in human group interaction

Martina Mazzarello (Politecnico di Milano, Italy)

Living the Campus: Spaces and services fostering interactions in the community

Simone Piaggese (ISI Foundation, Turin, Italy)

Predicting poverty in a city using satellite data

Janos Abonyi (University of Pannonia, Hungary)

Measurement of regional attractiveness based on company ownership networks

Guy Kelman (Hebrew University of Jerusalem, Israel)

Scientific collaboration before and after the Internet - Does the commute distance remain a natural boundary for collaboration?