

Complexity Science and Transportation Systems '14 ***DEADLINE EXTENSION***

Satellite Meeting at the

European Conference on Complex Systems 2014 **Lucca, September 25th, 2014**

Following the events organized at the ECCS '11 in Vienna, ECCS '12 in Brussels and ECCS '13 in Barcelona, we announce the Call for Papers for a half-day Satellite Meeting in Lucca. The aim of this Satellite Meeting is to create a space for exchanging state-of-the-art results and ideas about (i) how different Complex Systems tools such as complex networks, percolation theory, self-organized criticality or agent based modeling can be used to understand the internal dynamics of transportation systems, (ii) how to model the relationships between different transportation modes, and (iii) how to improve efficiency and performance of such systems.

The intended audience of this Satellite Meeting is twofold. On one hand, it consists of researchers from the field of Complexity Science, which are expected give insight on the application of complex system tools and concepts to transportation systems. On the other hand, researchers specialized in Transportation systems will be encouraged to attend in order to give their contribution and see how such systems can be investigated with methodologies which are not currently recognized as mainstream. The main success of the meeting will be to foster an interdisciplinary forum of discussion between the two research communities.

A non-exhaustive list of topics includes:

- Topological properties of transportation systems, and the relations between topology and efficiency / resilience / propagation of disturbances.
- Dynamics of and on transportation systems: from movements of persons and goods, up to diseases and information spreading mechanisms.
- Emerging behaviors and critical phase transitions in transportation systems.
- Applications of multi-layer and time-varying network representations, statistically validated networks and community detection algorithms.

The list of invited speakers includes:

- Alessandro Vespignani, Northeastern University, USA.
- Kai Nagel, TU Berlin, Germany.

Call for Papers

Submission of contributed papers can be done by sending a self-contained extended abstract (min. 2 pages) including all relevant references to mzanin@innaxis.org. Standard LaTeX, PDF, or Microsoft Words formats are encouraged. Submissions will be evaluated and selected by the Program Committee members, based on the adherence with the theme of the satellite, originality and scientific soundness. Once the selection process is complete, the authors of the accepted abstracts will be notified by e-mail.

The deadline for abstract submission for oral contributions has been extended to **July 4th, 2014**.

The notification of the acceptance is expected to be on **8th July, 2014**.

If you need more information, please visit the following website:

<http://www.complexworld.eu/upcoming-events/eccs-2014-cw-satellite-meeting/>

or directly contact with the organizers of the Meeting:

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