Temporal Networks, Human Dynamics and Social Physics

Berkeley • 3 June 2014

Invited Speakers
- Ciro Cattuto
  ISI Foundation, Italy
- Aaron Clauset
  University of Colorado, USA
- Neil Johnson
  University of Miami, USA
- Márton Karsai
  ENS de Lyon, France

Organizers
- Andrea Baronchelli
- Alain Barrat
- Manuel Cebrian
- Bruno Lepri
- Esteban Moro
- Romualdo Pastor-Satorras
- Alex (Sandy) Pentland
- Nicola Perra
- Iyad Rahwan
- Bruno Ribeiro
- Erez Shmueli
- Vivek Singh
- Michele Starnini

TnetSphys’14
NetSci’14 Symposium

MOBS LAB
Aix Marseille universite
CITY UNIVERSITY LONDON
Universidad Carlos III de Madrid
Masdar INSTITUTE
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Welcome

M. Karsai  Transmission centrality and the detection of weak ties

P. Bródka  Seed selection in social networks - temporal approach benefits

S. H. Lee  Matchmaker, matchmaker, make me a match: migration of populations via marriages in the past

D. Hachen  Dynamic ego networks

H. Brot  Edge removal balances preferential attachment and triad closing

Coffee Break

C. Cattuto  Learning structures from high-resolution social network data

V. Sekara  Micro dynamics of social interactions

G. Petri  Topology-invariant patterns of foreign resident and touristic communities from mobile phone entropy

J. L. Mateos  Navigation and searching on social networks using levy random walks

S. Sreenivasan  Modeling the effect of attention on cascades in feed-based networks

A. Alshamsi  Beyond contagion: reality mining reveals complex patterns of social influence

Lunch

N. Johnson  The dark side of human dynamics: clandestine temporal networks

R. M. Benito  Efficiency of human activity on information spreading on Twitter

C. J. Tessone  Collective behaviour induced by network volatility

M. Beguerisse  Evolution of narratives and user interactions in conversations about obesity and diabetes in online social media

H. Youn  Understanding technology pathway from U.S. patents

Coffee Break

A. Clauset  Common scoring dynamics across team competitions

E. Ubaldi  The emergence of strong ties in time-varying networks

M. Shrestha  Message-passing approach for models of recurrent epidemics in networks

Final Remarks