



Workshop on Complex Sociotechnical Systems

A COMSOTEC & SocioComplex meeting

València, 8-10 June 2016

Welcome to the 2nd Annual Workshop on Complex Sociotechnical Systems! The workshop is an interdisciplinary meeting point for scientists working on the economic and social sciences, complexity science and information and communication technologies. It offers a stimulating and interesting opportunity to present and discuss the last theoretical and applied advances of this multidisciplinary field.

8th June 2016

Octubre Centre de Cultura Contemporània

- 16:00 - 16:30 Registration & Opening**

- 16:30 - 17:30 Networks and Social Systems (I)**
Elisa Omodei
Centrality in interconnected multilayer networks: mathematical formulation of node and its applications
Aleix Bassolas, Maxime Lenormand, Antònia Tugores, Bruno Gonçalves and José J. Ramasco
Touristic site attractiveness seen through Twitter
Adrian Carro, Raúl Toral, Maxi San Miguel
Network effects on an agent-based market model with herding behavior

- 17:30 - 18:00 Coffee Break**

- 18:00 - 18:45 New approaches to social sciences, finance and economics (I)**
Luis Martínez-Vaquero, Antonio Cabrales, José A. Cuesta
Propagación de la intolerancia en situaciones económicas difíciles
JJ. Ramasco
Crowdsourcing the Robin Hood effect in cities

- 18:45 - 19:45 COMSOTEC & SocioComplex meets society Roundtable**

- 20:00 - 21:30 Walk around València**

- 21:30 - 23:30 Welcome cocktail**

10th June 2016

Centre Cultural La Beneficència

- 10:00 - 11:00 Agent Based Approach to socio-economic systems**
S. Martín-Gutiérrez, J. Borondo, A.J. Morales, J.C. Losada, A. M. Tarquis, R. M. Benito
Agricultural activity shapes the communication and migration patterns in Senegal
Faustino Prieto, José María Sarabia, Vanesa Jordá
La familia de distribuciones Leyes de Potencia Generalizadas (GPL): aplicaciones en Finanzas
J. Doyne Farmer, John Geanakoplos, Jaume Masoliver, Miquel Montero, Josep Perelló
The value of the future: Discounting in random environments

- 11:00 - 11:30 Coffee Break**

- 11:30 - 12:30 Networks and Social Systems (III)**
María Pereda
On the emergence of cooperation under vigilance in networked societies
Albert Sole-Ribalta, Sergio Gómez and Álex Arenas
Congestion induced by the structure of multiplex networks
Joan T. Matamalas, Julia Poncela-Casasnovas, Sergio Gómez and Álex Arenas
Coherent and incoherent strategists: Evolutionary dynamics on multiplex networks

- 12:30 - 13:00 COMSOTEC & SocioComplex Final Joint Session**

- 13:00 - 13:30 Closure**

9th June 2016

School of Engineering (ETSE-UV)

- 10:00 - 11:00 Agent Based Approach to socio-economic systems**
Rafael Pax, Jorge Gómez Sanz, Juan Pavón
Agent-based crowd simulation with the MASSIS framework
María Pereda, José Ignacio Santos, José Manuel Galán, Débora Zurro, Myrian Álvarez, Jorge Caro, Virginia Ahedo, Ivan Briz i Godino
The evolution of cooperation under environmental pressure
Sandro Meloni, Cheng-yi Xia and Yamir Moreno
Heterogeneous resource allocation can change social hierarchy in public goods games.

- 11:00 - 11:30 Coffee Break**

- 11:30 - 13:00 Social Systems: Models and Experiments**
Josep Perelló, Mario Gutiérrez-Roig, Jordi Duch
Emerging strategies when facing uncertainties: Mr Banks game as a case study
Pascual, I., Aguirre, J., Manrubia, S., and Cuesta, J. A.
Modelling paradigm shifts in cultural evolution
Alberto Antonioni, Angel Sánchez and Marco Tomassini
Cooperation Survives and Cheating Pays in a Dynamic Network Structure with Unreliable Reputation
Juan Carlos González-Avella, Mario G. Cosenza, Maxi San Miguel
A Model for Cross-Cultural Reciprocal Interactions through Mass Media
Carlos Gracia-Lázaro, Sandro Meloni, Alberto Antonioni, José A. Cuesta, Ángel Sánchez, and Yamir Moreno
Social Responsible Investing: a lab-in-the field experiment

- 13:00 - 15:30 Lunch**

- 15:30 - 17:15 Projects Slam**
Marlon Cárdenas, Jorge Gómez Sanz, Juan Pavón
Collaborative Development of Solutions for AAL (ColoSAAL) versatility and its applications
Guillem Martínez
IBSEN Project
Josep Perelló, Isabelle Bonhoure
STEM4youth EU project or when research is done with schools
JJ. Ramasco
BigData4ATM: Passenger-centric Big Data Sources for Socio-economic and Behavioural Research in Air Transport Management (ATM)
Luis F. Chiroque, Rubén Cuevas, Juan Miguel Carrascosa, Costas Iordanou
Winning the I-COM Datascience Hackathon 2016
Francisco Grimaldo
Suffering, bearing and loving peer review

- 17:15 - 17:45 Coffee Break**

- 17:45 - 19:00 COMSOTEC General Meeting & Board Meeting**

- 21:45 - 23:45 Social Dinner**

VENUES

→ Octubre Centre de Cultura
08 Junio 2016
Carrer Sant Ferran, 12
46001 València
Aula 1

→ School of Engineering (ETSE-UV)
09 Junio 2016
Avinguda de la Universitat, s/n
46100 Burjassot - Valencia
Sala de Junes

→ Centre Cultural La Beneficència
10 Junio 2016
Carrer Corona, 36
46003 València
Saló Alfons el Magnànim

Organization:



Collaborators:

