



# V WORKSHOP COMSOTEC

Alcalá de Henares, 26-27 March 2019

**Tuesday, 26 March 2019**

## **Welcome and Registration**

10:30 – 11:00

### **Sala de Conferencias Internacionales**

Colegio Mayor de San Ildefonso, first floor  
Plaza de San Diego, s/n

11:00 - 11:30

### **Coffe break**

Ignacio Tamarit (\*), María Pereda,  
Jose A. Cuesta, Robin I.M. Dunbar  
and Angel S ´ anchez

*Dunbar’s numbers, negative relationships, and social structure:  
Models and experiments*

11:30-13:30

Faustino Prieto (\*), José María  
Sarabia, Enrique Calderín-Ojeda,  
and Vanesa Jordá

*Modelling the distribution of employment across municipalities*

SESSION I  
TRACK A

Federico Pablo-Martí, Leopoldo  
Albarrán y Juan Luis Santos

*Investment in high-speed trains and changes in hourly  
accessibility of the territory (1990-2017)*

13:30 - 15:00

### **Lunch**

Miquel Montero(\*) and Javier  
Villarroel

*Optimal random search under reset events*

15:00-17:00

Antonio F. Peralta, Nagi Khalil, and  
Raul Toral

*Reduction of non-Markovian to Markovian dynamics: The case  
of aging in the noisy voter model*

SESSION II  
TRACK A

María Pereda(\*), Ignacio Tamarit,  
Alberto Antonioni, José A. Cuesta,  
Penélope Hernández, and Ángel  
Sánchez

*Public Goods Games revisited: scale and information effects on  
cooperation*

17:00 - 17:30

### **Coffe break**

Antonio Fernández Anta, Paul  
Rimba, Andres Abeliuk, Manuel  
Cebrian, Ioannis Stavrakakis, and  
Oluwasegun Ojo

*Miner Dynamics on the Ethereum Blockchain*

17:30 - 19:30

Emmanuel Artiges, Carlos Gracia-  
Lázaro(\*), Luis Mario Floría, Yamir  
Moreno

*Replicator population dynamics of group interactions. Broken  
symmetry, thresholds for metastability and macroscopic  
behavior*

SESSION III  
TRACK A

Simón Sánchez-Moral, Federico  
Pablo-Martí, and Josep María  
Arauzo-Carod

*Processes of dissemination of knowledge and creativity in  
polycentric urban networks: a methodological proposal based  
on the location of workers in the metropolitan region of Madrid*

19:30-20:00

### **COMSOTEC ASSEMBLY**

21:00

### **Social Dinner**

## Wednesday, 27 March 2019

9:30 - 11:00	G. Olivaresa, J. Martínez-Atienza, S. Martín-Gutiérrez, J.P. Cárdenas, J. Borondo, J.C. Losada (*), and R.M. Benito	<i>Opinion Polarization during dichotomous Twitter conversations</i>
SESSION IV TRACK A	S. Martin-Gutierrez (*), J. C. Losada, and R. M. Benito	<i>Temporal evolution of collective user behavior in Twitter conversations during electoral periods</i>
	Mattia Mazzoli (*), Antonia Tugores, Natalia Adler, Pere Colet and Jose J. Ramasco	<i>Tracking migration flows with geolocalized Twitter data</i>

### 11:00 - 11:30 **Coffe break**

11:30 - 13:30	Francisco Bauzá Mingueza, David Iñiguez Dieste, Alfonso Tarancon Lafita, and Jesús Gómez Gardeñes	<i>Similarities between communities and departmental structure in scientific collaboration networks</i>
SESSION V TRACK A	Alberto Aleta	<i>Dynamics of discussion threads in online boards: the case of Forocoches</i>
	Federico Pablo-Martí and Ángel Sánchez	<i>The world airport system: a temporal analysis of the network</i>

### **Closing Ceremony**

### 13:30-15:00 **Lunch**

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