



**SocioComplex**  
Red de excelencia  
FIS2015-71795-REDT



**INSISOC**  
SOCIAL SYSTEMS  
ENGINEERING CENTRE



## **13 February 2020**

**All presentations will take place at Room B18, except for the plenary sessions, which will take place at the Conference Room**

**11:00 – Reception.**

**11:15 – Opening speech. Galán, J.M.**

**11:20 – Unveiling the informal structure of an academic field in Spain. A network analysis. Ramírez-Sanz, J.M., Garrido-Labrador, J.L., Ahedo, V., Arnaiz-Rodríguez, A., García-Osorio, C., Santos, J.I, Galán, J.M.**

**11:35 – Multidisciplinary study of multidisciplinary. The case of Spain. Díaz-de la Fuente, S., Ahedo, V., Caro, J., Pereda, M., Santos, J.I., Galán, J.M.**

**11:50 – Quantifying uncertainty in a predictive model for popularity dynamics. O'Brien, J.D., Aleta, A., Moreno, Y., Gleeson, J.P.**

**12:15 – Agent-Based Evolutionary Game Dynamics. Izquierdo, L.R., Izquierdo, S.S., Sandholm, W.**

**12:30 – Competition games in complex networks with consensus dynamics. Losada, J.C., López-Pina, A., Benito, R.M.**

**13:00 – Plenary session: Big Data en la demografía y estadística pública. Ramiro, D.**

**14:00 – Lunch.**

**15:15 – Detecting and Classifying Outliers in Big Functional Data. Ojo, O.T., Fernández Anta, A., Lillo, R., Guerra, C.**

**15:40 – Fast Auto Machine Learning. García Leiva, R.A., Fernández Anta, A.**

**16:00 – Collective identities in Twitter: a graph-theoretical approach. Cozzo, E., Prignano, L., Díaz-Guilera, A., Calleja-López, A.**

**16:25 – Relationship between ideology and language in the Catalan independence context. Martínez-Atienza Barthelemy, J., Martín-Gutierrez, S., Losada, J.C., Benito, R.M.**

**16:50 – Hierarchical organization of urban mobility and its connection with city livability. Ramasco, J.J.**

**17:15 – Coffee break.**

**17:40 – Exponential random graphs and the structure of social networks. Escribano, D., Tamarit, I., Cuesta, J.A.**

**18:00 – Social coordination on a two-layer network. Lugo H, San Miguel M., González-Avella, J.C.**

**18:30 – COMSOTEC Assembly and Kick-off meeting.**

**21:30 – Social dinner at Mesón del Cid (Plaza Santa María 8, 09003 – Burgos).**

## **14 February 2020**

**10:00 – Online division of labour: emergent structures in open source software. Palazzi, M.J., Cabot, J., Cánovas Izquierdo, J.L., Solé-Ribalta, A., Borge-Holthoefer, J.**

**10:25 – The selection of heuristics and the evolution of cooperation. Cardoso, F.M.**

**10:50 – Plenary session: A Bayesian machine scientist to aid in the solution of challenging scientific problems. Guimerà, R.**

**11:45 – Coffee break.**

**12:05 – Effective approach to epidemic containment using link equations in complex networks. Matamalas, J., Gómez, S., Arenas, A.**

**12:30 – Chance, biases, and data incompleteness. Uncovering Patterns in Mediterranean Connectivity in Roman Time. Prignano, L., Ritondale, M.**

**12:55 – Reaction-Diffusion Processes on Hierarchy of Meta-Communities. Aguilar, J.**

**13:20 – Tribalism versus prosocial behavior: a proposal for understanding the origin of societies. Gracia-Lázaro, C.**

**14:15 – Lunch.**