

## **13 February 2020**

**11:00 – Reception.**

**11:15 – Opening speech.** José Manuel Galán Ordax

**11:20 – Unveiling the informal structure of an academic field in Spain. A network analysis.** Garrido-Labrador, J.L., Ramírez-Sanz, J.M., Ahedo, V., 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. Diego Ramiro.**

**14:00 – Lunch**

**15:15 – Detecting and Classifying Outliers in Big Functional Data.** Oluwasegun Taiwo, O., 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.** Aienza-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 JC.

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

## **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., Birge-Holthoefer.

**10:25 – The selection of heuristics and the evolution of cooperation.** Felipe Maciel Cardoso.

**10:50 - Plenary session: A Bayesian machine scientist to aid in the solution of challenging scientific problems. Roger Guimerá.**

**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 – A stochastic generative model of the World Trade Network.** García-Algarra, J., Mouronte-López, M.L., Galeano, J.

**13:45 – Tribalism versus prosocial behavior: a proposal for understanding the origin of societies.** Gracia-Lázaro, C.

**14:15 – Lunch**