Advances on data analysis, logistics and transportation problems on complex networks Tuesday, December 21st 2021.	
09:45-10:00	OPENNING SESSION
10:00-10:30	Alberto Japón: **Computer Vision & Deep Learning**
10:30-11:00	Juan M. Muñoz-Ocaña: **Grayscale Image Processing using Mathematical Optimization to cuantify Nanometric Structures**
11:00-11:30	Francisco Temprano: **New advances in community detection**
11:30-12:00	PAUSA CAFÉ
12:00-12:30	Moisés Rodríguez-Madrena: **Applications, properties and curiosities of the WRP and related problems**
12:30-13:00	Raúl Páez: **Minimum Cost b-Matching Problems SOC-representable with Neighborhoods**
13:30-14:00	Carlos Valverde: **Coordinating drones with mothership vehicles: The mothership and multiple drones routing problem with Graphs with overlapping operations**
14:00-17:00	WORKING LUNCH
17:00-17:30	Marina Leal: **Hierarchies, prices and portfolios**
17:30-18:00	Gabriel González: **Optimal Routing of Pipelines in Naval Designs**
18:00-18:30	Alberto Torrejón: **The Ordered Median Tree Location Problem**
18:30-19:00	Ignacio Roldán: **On some biobjective combinatorial optimization problems**
19:10	CLOSING SESSION