

PROGRAM

Thursday January 23rd

08:45-09:15 Registration

09:15-09:30 Opening Session

09:30-11:30 Session 1: Facility Location I

Extensive facility location problems with hyperplanes

V. Blanco, A. Japón, D. Ponce, and J. Puerto

Hub Location Problems with Ball-Shaped Neighborhoods of varying radius

V. Blanco and J. Puerto

Upgrading Location Problems with Edge Length Variations on Networks

M. Baldomero-Naranjo, J. Kalcsics, and A.M. Rodríguez-Chía

Solving Discrete Ordered Median Problems with Induced Order

E. Domínguez and A. Marín

Upgraded network p -median problem

I. Espejo and A. Marín

11:30-12:00 Coffee break

12:00-12:50 Invited Speaker: Stefano Benati

Clustering with Variables Selection: Challenges from the Eurobarometer Data

13:00-14:00 Session 2: Applications I

Multi-channel distribution in the banking sector and network restructuring

S. Baldassarre, G.Bruno C. Piccolo, and D. Ruiz-Hernández

A Facility Location Problem with transhipment points

A. Moya-Martínez, M. Landete, and J.F. Monge

A Location-Allocation Model for Bio-Waste Management

D.R. Santos-Peña, R.R. Suárez-Vega, and C. Florido de la Nuez

14:00-15:30 Lunch

15:30-16:30 Session 3: Districting

Shape and Balance in Districting

V. Bucarey and F. Ordoñez

Optimal Site Dimensioning in Design of UAV-based 5G Networks with Optical Rings, Solar Panels and Batteries.

L. Amorosi

Towards a stochastic programming modeling framework for districting

A. Diglio, S. Nickel, and F. Saldanha da Gama

16:30-17:00 Coffee break

17:00-18:40 Session 4: Logistics

The facility location problem with capacity transfers

Á. Corberán, M. Landete, J. Peiró, and F. Saldanha-da-Gama

A two-echelon distribution network under customer selection

H.I. Calvete, C. Galé, and J.A. Iranzo

Promoting the selective collection of urban solid waste by means an optimal deployment of routes for mobile eco-points

J.A. Mesa, F.A. Ortega, and R. Piedra-de-la-Cuadra

Dynamic shipping in hierarchical freight transportation network

I. Contreras, G. Laporte, and D. Ponce

19:30 Social event

Friday January 24th

09:30-11:30 Session 5: Facility Location II

Minimum distance regulation and entry deterrence through location decisions

J. Elizalde and I. Rodríguez-Carreño

Facility Location Problems on Multilayer Networks

M. Calvo and J.A. Mesa

Infrastructure Network Design Models: some previous facts before Benders Decomposition

V. Bucarey, B. Fortz, M. Labb  , N. Gonz  lez-Blanco, and J.A. Mesa

An application of the p -median problem in optimal portfolio selection

J. Puerto, M. Rodr  guez-Madrena, and A. Scozzari

p -Maximum expected covering on an unreliable network

M. Albareda-Sambola and O. Lordan

11:30-12:00 Coffee break

12:00-12:50 Invited Speaker:   ngel Corber  n

Arc Routing Problems with drones

13:00-14:00 Session 6: Routing I

Distance-Constrained Close Enough Arc Routing Problem: Polyhedral study and B&C algorithm

  . Corber  n, I. Plana, M. Reula, and J. M. Sanchis

A heuristic approach for the multi-drop Truck-Drone cooperative routing problem

P.L. Gonz  lez-R, D. Canca, J.L. Andrade-Pineda, M. Calle, and J.M. Le  n

Orienteering with synchronization in a telescope scheduling problem

J. Riera-Ledesma, J.J. Salazar-Gonz  lez, and F. Garz  n

14:00-15:30 Lunch

15:30-16:30 Session 7: Routing II

A matheuristic to solve the MDVRP with Vehicle Interchanges
V. Rebillas-Loredo, M. Albareda-Sambola, J.A. Díaz, and D.E. Luna-Reyes

Prize-collecting Location Routing on Trees
J. Aráoz, E. Fernández, and M. Muñoz-Marquez

Network Design under Uncertain Demand: an Alternative Capacitated Location Decision Framework
D. Ruiz-Hernández, M.M.B.C Menezes, and O. Allal-Cherif

16:30-17:00 Coffee break

17:00-18:40 Session 4: Applications II

An approach to obtain the Domatic Number of a graph by block decomposition
M. Landete and J.L. Sainz-Pardo

XPP with Neighborhoods
C. Valverde and J. Puerto

Optimisation Models Applied to Image Reconstruction
J.J. Calvino, M. López-Haro, J. M. Muñoz-Ocaña, and A.M. Rodríguez-Chía

On some classes of combinatorial optimization problems with non-convex neighborhoods
I. Espejo, J. Puerto, and A.M. Rodríguez-Chía

18:40-19:10 Location Network Meeting

21:00 Conference dinner