

	Monday Jan 31st	Tuesday Feb 1st
9:00	Registration	
9:30	Opening Session	
9:45	Session 1: Facility Location I	Session 4: Routing
11:05	Coffee break	Coffee break
11:35	Invited Speaker: Hande Yaman	Invited Speaker: Juan A. Mesa
12:35	Social Event: + Lunch	Session 5: Applications II
13:45		Lunch
15:30	Session 2: Applications I	Session 6: Network design
16:30	Coffee break	Coffee break
17:00	Session 3: Multiperiod Problems	Session 7: Covering Problems
18:00	Network Meeting	Social event
21:00		Conference dinner

# Monday January 31st

**09:00-09:30 Registration**

**09:30-09:45 Opening Session**

**09:45-11:05 Session 1: Facility Location**

Upgrading Strategies in the p-Center Location Problem

*L. Anton-Sánchez, M. Landete, F. Saldanha-da-Gama*

Capacitated Close Enough Facility Location

*A. Moya-Martínez, M. Landete, J.F. Monge, S. García*

Location, Regions and Preferences

*V. Blanco, R. Gázquez, M. Leal*

Formulations for the Capacitated Dispersion Problem

*M. Landete, J. Peiró, H. Yaman*

**11:05-11:35 Coffee break**

**11:35-12:35 Invited Speaker: Hande Yaman**

Robust Alternative Fuel Refueling Station Location Problem with Routing under Decision-Dependent Flow Uncertainty

**12:35-15:30 Social Event and Lunch**

**15:30-16:30 Session 2: Applications I**

Emergency Vehicles Location: the importance of including the dispatching problem.

*J. Nelas, J. Dias*

Optimizing COVID-19 Test and Vaccine distributions

*J.L. Sainz-Pardo, J. Valero*

Locating a rectangle in the sky to get the best observation

*J.J. Salazar-González*

**16:30-17:00 Coffee break****17:00-18:00 Session 3: Multiperiod Problems**

An exact method for the two-stage multiperiod vehicle routing problem with depot location

I. Gjeroska, S. García

Multistage multiscale facility location and expansion under uncertainty

L.F. Escudero, J.F. Monge

How to invest to expand a firm: a new model and resolution methods

J. Fernández, B.G.-Tóth, L. Anton-Sánchez

**18:00 Network meeting**

## Tuesday February 1st

### 09:45-11:05 Session 4: Routing

Selective collection routes of urban solid waste by means of multi-compartment vehicles

*R. Piedra-de-la-Cuadra, J.A. Mesa, F. A. Ortega, G. Marseglia*

Multi-Depot VRP with Vehicle Interchanges: Heuristic solution

*V. Rebillas-Loredo, M. Albareda Sambola, J.A. Díaz, D.E. luna*

A new heuristic for the Driver and Vehicle Routing Problem

*B. Domínguez-Martín, I. Rodríguez-Martín, J.J. Salazar-González*

### 11:05-11:35 Coffee break

### 11:35-12:35 Invited Speaker: Juan A. Mesa

Pair-demand Covering Facility Location and Network Design Problems

### 12:35-13:35 Session 5: Applications II

A column-and-row generation algorithm for allocating airport slots

*P. Fermín Cueto, S. García, M. F. Anjos*

A locational analysis perspective of deregulation policies in the pharmaceutical sector

*G. Bruno, M. Cavola, A. Diglio, J. Elizalde, C. Piccolo*

The discrete ordered median problem for clustering STEM-image intensities

*J.J. Calvino, M. López-Haro, J.M. Muñoz-Ocaña, A.M. Rodríguez-Chía*

### 13:45-15:30 Lunch

### 15:30-16:30 Session 6: Network Design

An Iterated Greedy Matheuristic for Solving the Stochastic Railway Network Construction Scheduling Problem

*D. Canca, G. Laporte*

Multiple Allocation P-Hub Location Problem explicitly considering Users' preferences

N. Zerega, A. Lüer-Villagra

Profit-maximizing hub network design under hub congestion and time-sensitive demands

C.A. Domínguez, E. Fernández, A. Lüer-Villagra

## **16:30-17:00 Coffee break**

## **17:00-18:00 Session 7: Covering Problems**

On the complexity of the upgrading version of the Maximal Covering Location Problem

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

Fairness in Maximal Covering Facility Location Problems

V. Blanco, R. Gázquez

Hybridizing discrete and continuous maximal covering location problems

V. Blanco, R. Gázquez, F. Saldanha-da-Gama

## **18:00 Social Event**

## **21:00 Conference dinner**