

**EURO SUMMER INSTITUTE ON LOCATION (ESI XII) PROGRESS REPORT**

**1. SCIENTIFIC PROGRAM**

The scientific part of the ESI XII consisted in the presentation of the contributed papers by the 20 participants, 13 invited lectures given by the invited speakers selected among the most relevant researchers in the field of location analysis, and 13 workshops given and chaired by the invited lecturers and members of the scientific committee.

Paper presentations and invited lectures have been structured in 10 morning and 8 afternoon sessions in a tight schedule keeping busy most of the available time.

We are currently preparing the special issue of EJOR devoted to the ESI XII.

The papers, lectures and workshops have been the following:

**PAPERS BY PARTICIPANTS:**

- I. Giannikos.  
A Multiobjective Programming Model for Locating Treatment Sites and Routing Hazardous Wastes.
- P.H. Peeters.  
Some new algorithms for location problems on networks.
- S. Benati.  
Solving competitive models using submodularity.
- N. Guttmann.  
Approximation Algorithms for Locating Communication Centers.
- P. Zidda.  
Revisiting Existing Networks.
- D. Di Girolamo.  
Models and Methods for plant location on network.
- T.H. Hultberg.  
Representative and Scattered Subsets.

- D. Pérez.  
Spanning Trees for solving Location Problems on General Graphs.
- P. Avella.  
The Median  $st$ -Path Polytope: facets, lifting procedures and separation algorithms.
- K. Dalby.  
On the solution of the Uncapacitated Facility Location Problem with Spatial interaction: Combinatorial Structure.
- S. Policastro.  
A modular Plant Location Problem.
- B. Dimitrijevic.  
Multicriteria Approach to the Selection of the Location for the Logistic Center.
- G. Ghiani.  
A multimodal approach to the location of a railway transportation path.
- F. Saldanha.  
A Study about Dynamic Location Problems.
- J. Fliege.  
Coincidence conditions in Multifacility Location Problems with Positive and Negative Weights.
- L. Cánovas.  
A New Class of Seed Points Algorithms for the  $k$ -Center Problem in  $\mathbb{R}^n$ .
- S. Nickel.  
Restricted Center Problem under Polyhedral Gauges.
- M. Muñoz.  
The Weber Problem with Regional Demand.
- M. Ndiaye.  
Efficiency in constrained continuous location.
- A. Marín.  
The Return Plant Location: formulation and resolution.