ISOLDE II: Denmark, 1981

Monday a.m.
　　　　CHAIR:J. Halpern

S.L. Hakimi, USA	On locating new facilities in a competitive environment. published as: Hakimi, S.L. "On locating new facilities in a competitive environment," *European Journal of Operational Research* 12: 1983, 29-35.
P.M. Pruzan, DK	The twisted banana and multicriteria locational decisions.
J. Krarup, DK	Assessment of approximate algorithms: the error measure's crucial role. published as: Krarup, J.; Pruzan, P.M. "Assessment of approximate algorithms: the error measure's crucial role," *BIT* 26: 1986, 284-294.
C. Lardinois, CDN	Statistical optimisation and the quadratic assignment problem.

Monday p.m.
　　　　CHAIR: R.M. Soland

R.D. Galvao, BR	The generalised p-median problem. *Not published in a journal.* ISOLDE 81 reprints 123-146 (in English). A Portugese language preliminary version of the paper not published in the proceedings of the XII symposium of the Brazilian Operational Research Society (1979, November) as "O problemo des p-medaonas generalizado," 177-191.
A. Tamir, IL	On the core of cost allocation games defined on location problems. published as: Tamir, A. "On the core of cost allocation games defined on location problems," *Transportation Science* 27: 1993, 81-86.
J. Halpern, O. Maimon, IL	Multi-objective location: how far apart are the efficient points?
S.K. Jacobsen, DK	A unified approach to capacitated plant location problems. published as: Jacobsen, S.K. "Heuristics for the capacitated plant location model," *European Journal of Operational Research* 12: 1983, 253-261.
S.J. Ratick, USA	Location decisions, games, and mathematical programming. published as: Ratick, S.; Cohon, J.; ReVelle, C. "Multidimensional programming solutions to n-person bargaining games," *Organizations: Multiple Agents with Multiple Criteria, Proceedings, University of Delaware, Newark*. Joel N. Morse, Ed. Springer-Verlag, New York, 1981, pp. 296-319.

Tuesday a.m.
> CHAIR: R.L. Francis

G. Laporte, CDN — Hamiltonian location problems. published as: Laporte, G.; Norbert, Y.; Pelletier, P. "Hamiltonian location problems," *EJOR* 12 (1993), 82-89.

J. Tind, DK — Location of bus depots. not published

J.G. Morris, USA — Simple approaches to minimax location of linear and localized facilities. published as: Morris, J.G.; Norback, J.P. "Linear facilty location-solving extensions of the basic problem," *European Journal of Operational Research* 12: 1983, 92-94.

O.B.G. Madsen, DK — Methods for solving combined location-routing problems. published as: Madsen, O.B.G. "Methods for solving combined two-level location routing problems of realistic dimensions," *European Journal of Operational Research* 12: 1983, 295-301.

N. Christofides, GB — An algorithm for maximal planar graphs and its applications to facility layout problems. not published.

Tuesday p.m.
> CHAIR: S.L. Hakimi

D. Erlenkotter, USA — Facility location with spatially-interactive tavel behaviour.

P. Mirchandani, R. Wong, USA — Locational decisions on stochastic networks II. published as: Mirchandani, P.; Oudjit, A.; Wong, R. "Multidimensional extensions in a nested dual approach for the m-median problem," *European Journal of Operation Research* 21: 1985, 121-137.

O. Berman, A. Odoni, USA — Location of mobile facilities on a stochastic network with Markovian properties. published as: Berman, O.; Odoni, A. "Location of mobile facilities on a stochastic network with Markovian properties," *Networks* 12: 1982, 73-86

O. Berman, R.C. Larson, USA — Optimal server location on a network operating as an M/G/1 queue. published as: Larson, R.C.; Berman, O.; Chiu, S. "Optimal server location on a network operating as an M/G/1 queue," *Operations Research* 33: 1985, 746-771.

C.D.T Watson-Gandy, GB — Multifacility constrained weber prolems.

Wednesday a.m.
  CHAIR: D. Erlenkotter

P. Hansen, B   Weber's problem revisited.

J. Thisse, B   Weber, condorcet and plurality solutions in location problems.

B. Gavish, USA   Topological design of computer communication networks.

H. Juel, DK,   Hull properties in location problems. published as: Juel, H.; Love, R.F.
R.F. Love, USA   "Hull properties in location problems," *European Journal of Operational Research* 12 (1983), 262-265.

T. Ditumbule, B   A generalisation of the Weber location problem.

Thursday a.m.
  CHAIR: R.C. Larson

M.J. Hodgson, CDN   An interaction based location-allocation model.

N. Waters, CDN   Hybrid location models.

A. Kolen, NL   A polynomial time algorithm for solving a set covering problem on a super-balanced matrix.

R.M. Soland, USA   The design of multiactivity, multifacility systems. published as: Soland, R.M. "The design of multiactivity, multifacility systems," *European Journal of Operational Research* 12: 1983: 95-104.

S.C. Narula, USA   Hierarchical location-allocation problems. published as: Narula, S.C. "Hierarchical location-allocation problems: a classification scheme." *EJOR* 15: 1984, 93-99.

Thursday p.m.
  CHAIR: J.G. Morris

T.B. Boffey, GB   Drainage network problem.

L. Chalmet, USA   Using extended continuous logic in power plant location problems.

J.P. Osleeb,   A mixed integer and multiple objective programming model to analyse
S.J. Ratick, USA   coal handling in New England ports. published as: Osleeb, J.P.; Ratick, S.J. "A mixed integer and multiple objective programming model to analyse coal handling in New England," *European Journal of Operational Research* 12: 1983, 302-313.

L. Lundqvist, S   Transportation systems and housing allocation. published as: Lundqvist, L.; Mattson, L.-G. "Transportation systems and residential

location," *European Journal of Operational Research* 12: 1983, 279-294.

D. Griffith, USA, A.H. Jacobs, CDN	Experimental approaches to the study of spatial decision making.

Friday a.m.
    CHAIR: P. Hansen

R.C. Larson, USA	Facility locations with the L_1 metric in the presence of barriers to travel. published as: Larson, R.C.; Sadiq, G. "Facility locations with the Manhattan metric in the presence of barriers to travel," *Operations Research* 31: 1983, 652-669.
A. Odoni, USA	Facility locations with the L_1 metric in the presence of high-speed corridors.
Z. Drezner, USA	Sensitivity analysis of the optimal location of a facility.
G. Wesolowsky, CDN	The location of an obnoxious facility when distances are rectangular. published as: Drezner, Z.; Wesolowsky, G.O. "The location of an obnoxious facility with rectangular distances," *Journal of Regional Science* 23: 1983, 241-248.
R.E. Wedell, USA	Location analysis using block norms.

Friday p.m.
    CHAIR: R.F. Love

R.L. Francis, T.J. Lowe, USA	Duality for the multi-cover problem in a tree network.
T.J. Lowe, USA	Storage location and lotsizing decisions: analysis and solution methods. published as: Lowe, T.J.; Hodgson, T.J. "Storage location and lotsizing decisions analysis and solution methods," *IIE Transactions 14*: 1982, 44-51.
H. Juel, DK	Bounds in the generalised Weber problem under locational uncertainty. published as: Juel, H. "Bounds in the generalised Weber problem under locational uncertainty," *Operations Research* 29: 1981, 1219-1227.
D.K. Kulshresta, AUS	Extensions of the K-elliptic optimisation approach and a computer method for location decision.
B.M. Khumawala,USA	Multi-product plant location with input-output relationship among products.