ISOLDE-XI Program Schedule

Thursday, June 26th

9:00 - 9:15am	**Introduction**	
9:15-10:10am	**Key note presentation** by Zvi Drezner, 2005 recipient of the SOLA location award	
10:10-10:30am	**Coffee Break**	
10:30-12:10pm	**Competitive Location Models(4)**	**Chair: Dan Serra**
	Sensitivity in Competitive Location Models	H.A. Eiselt & Vladimir Marianov
	Improving Commercial Territory Design for a Distribution Firm with Constructive and Destructive Heuristics	Jaime Cano-Belmán, Roger Z. Ríos-Mercado
	Emergent Location Patterns in Competitive Retail Markets	Lieselot Vanhaverbeke & Frank Plastria
	Incorporating inventory decisions in competitive location models	Francisco Silva
12:10-1:30pm	**Lunch**	
1:30 - 3:10pm (1)	**Location and transportation (4)**	**Chair: John Current**
	Organizing hospital services into networks: A Hierarchical and multiproduct location model with application to the Portuguese health care system	Ana Mestre, Mónica Oliveira, & Ana Barbosa-Póvoa
	Transportation Design: Location and Planning	Ángel Marín, Juan A. Mesa, & Federico Perea
	Locating Lottery Retail Stores in Barcelona: A Consumer Oriented Approach	Daniel Serra & Vladimir Marianov
	Fuzzy approach to optimal manipulation with empty containers within a (Mediterranean) feeder system	Danijela Tuljak-Suban & Marija Bogataj
1:30 - 3:10pm (2)	**Planar Models (4)**	**Chair: Zvi Drezner**
	Integer planar location problems	Anita Schöbel
	The Big Cube Small Cube Method for Location Problems with Multi Parameters	Daniel Scholz & Anita Schöbel
	More (d.c.) bounds for planar location models	Rafael Blanquero & Emilio Carrizosa
	A dual algorithm for the weighted Euclidean distance min-max location in IR^n	P.M. Dearing

Thursday, June 26ᵗʰ

3:10-3:30 pm	**Coffee Break**	
3:30 - 5:10pm (1)	**Location models and applications (4)**	**Chair Pitu Mirchandani**
	The impact of site location in C-Stores Sales under the New Paradigm of the Portuguese Fuel Retail Market	Raul M. S. Laureano
	Capacitated Facility Location for Disbursement of Supplies in a Large-Scale Emergency	Pavankumar Murali, Maged M. Dessouky, & Fernando Ordóñez
	The Army Reserve Stationing Study	LTC Robert D. Bradford, III & Tucker D. Hughes
	Solving an actual optimization routing problem for an agricultural cooperative	V. Blanco, Y. Hinojosa, & J. Puerto
3:30 - 5:10pm (2)	**New solution techniques (4)**	**Chair: Richard Middleton**
	GRASP Heuristics for the Capacitated Multi-source Weber Problem	Martino Luis, Said Salhi, & Gábor Nagy
	Bio-inspired approaches for large scale hub location problems	Enrique Dominguez & José Muñoz
	Parallel Variable Neighborhood Search for the Capacited p-Median Problem	Dionisio Pérez-Brito, Feliz García López, & Carlos G. García González
	Duality for multiobjective location problems	Gert Wanka

Friday, June 27th

8:30 - 10:10am	**Defense & Robust Design (4)**	**Chair: M.P. Scaparra**
	Hardening facilities against random numbers of losses	Federico Liberatore, M. Paola Scaparra, & Mark Daskin
	Designing Robust Coverage Networks to Hedge against Worse-Case Facility Losses	Jesse R. O'Hanley & Richard L. Church
	Risk Management in Uncapacitated Facility Location Models with Random Demands	Michael R. Wagner, H. Steve Peng, & Joy Bhadury
	Facility Reliability Models: Preparing random and non-random failures	Michael Lim, Mark Daskin, Achal Bassamboo, & Sunil Chopra
10:10 - 10:30am	**Coffee break**	
10:30 - 12:10pm	**Competitive Location Models (4)**	**Chair: H.A. Eiselt**
	Profit-maximizing service system design with elastic demand and congestion	Robert Aboolian, Oded Berman, & Dmitry Krass
	Commercial Territory Design with Joint Assignment Constraints: A Heuristic Approach	Saúl I. Caballero-Hernández, Roger Z. Ríos-Mercado, Satu Elisa Schaeffer, & Fabián López
	Cannibalization in a Competitive Franchise Environment	Tammy Drezner
	A Continuous Time Dynamic Model of Competitive Facility Location	Terry L. Friesz, Changhyun Kwon, & Tae Il Lim
12:10 – 1:30pm	**Lunch**	
1:30 – 3:10pm (1)	**Continuous space location Models (4)**	**Chair: Tammy Drezner**
	A continuous analysis framework for the solution of location-allocation problems with dense demand	Alper Murat, Vedat Verter, & Gilbert Laporte
	Designing Connected Territories for a Beverage Distribution Firm with a Location-Allocation Scheme	J. Ángel Segura-Ramiro, Roger Z. Ríos-Mercado, Ada M. Álvarez-Socarrás, & Karim de Alba Romenus
	Multi-Facility Weber Problems with Facility Clusters	Kathrin Klamroth & Martin Bischoff
	The Capacitated p-Center Problem with Multiple Allocation	Maria Albareda-Sambola, Juan A. Díaz, & Elena Fernández

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Friday, June 27th

1:30 – 3:10pm (2)	**Planar Location Problems (4)**	**Chair: Juan Mesa**
	Analysis of Facility Location Using Order Rectilinear Distance in Regular Point Patterns	Masashi Miyagawa
	Line Location And Robust Regression	Mark Körner & Anita Schöbel
	On the location of circles with type k-centrum criteria	Antonio J. Lozano, Juan A. Mesa, & Frank Plastria
	Locating a minisum circle in the plane	Jack Brimberg, Henrik Juel, & Anita Schöbel
3:10 – 3:30pm	**Coffee break**	
3:30 – 5:10pm (1)	**Network design (4)**	**Chair: António Antunes**
	A model for urban hierarchy and transportation network planning	João Bigotte, António Antunes, Oded Berman, & Dmitry Krass
	Dynamic School Network Planning in Urban Areas	Knut Haase & Sven Mueller
	Crossdocking network design with load balancing and operational considerations	Nayoung Cho & Leyla Ozsen
	The Connection Location-Allocation Problem	Martin Bischoff
3:30 – 5:10pm (2)	**Equity, districting and preferences (4)**	**Chair: Tim Matisziw**
	Equity in Semi-obnoxious Facility Location Models	Maria Conceição Fonseca & Maria Eugénia Captivo
	Districting and Location in the Courts: The Making of the New Judiciary Map of Portugal	António Antunes, João Teixeira, João Bigotte, & Hugo Repolho
	Location with preferences	Sergio García & Alfredo Marín
	The reliable maximin-maxisum location problem on a tree	Jose Santivanez & Emanuel Melachrinoudis
5:30 – 6:30pm	**Reception at the UCSB Faculty Club**	
6:30 – 8:00pm	**Dinner at the UCSB Faculty Club**	

Saturday, June 28th

8:30 - 10:10am	**Location and scheduling (4)**	**Chair: Mark Daskin**
	An agent based approach for modeling location problems	Giuseppe Bruno & Andrea Genovese
	An exact algorithm for the Capacity and Distance Constrained Plant Location Problem: Valid inequalities and separation problems.	Maria Albareda-Sambola, Elena Fernández, & Gilbert Laporte
	Simultaneous Scheduling and Location (ScheLoc)	Horst W. Hamacher & Marcel T. Kalsch
	Dynamic Location Problems with Discrete Expansion and Reduction Sizes of Available Capacities: model and algorithms	Joana Dias, Maria Eugénia Captivo, & João Clímaco
10:10 – 10:30am	**Coffee break**	
10:30 - 12:10pm	**Competitive location (4)**	**Chair: Tim Lowe**
	Flexible Discrete Facility Location: A Generalized Model and Associated Solution Approaches	Alfredo Marín, Stefan Nickel, & Sebastian Velten
	A Portfolio Approach to MNE Location Choices	Lilach Nachum & Sangyoung Song
	A new discrete competitive multi-store location model	Knut Haase
	Revenue-Optimizing Location Model with Equilibrium-driven Demand and Congestion	Oded Berman, Dmitry Krass, & Dehui Tong
12:10 – 1:30pm	**Lunch**	

Saturday, June 28th

1:30 – 3:10pm (1)	**New Model Formulations (4)**	**Chair: Horst Hamacher**
	Network Location: A Survey of Models, Theory, and Methods	Barbaros Ç. Tansel & Damla S. Ahipaşaoğlu
	Multiobjective Source Location Problem	Dwi Retnani Poetranto Gross & Horst W. Hamacher
	Discretized reformulations for capacitated location problems with modular distribution costs	Isabel Correia, Luís Gouveia, & Francisco Saldanha-da-Gama
	Different formulations for ordered median hub location problems	J. Puerto, A.B. Ramos, & A.M. Rodriguez-Chía
1:30 – 3:10pm (2)	**Transportation oriented location problems (4)**	**Chair: Roberto Galvao**
	Location Models for Motorway Interchanges	Hugo Repolho, António Antunes, & Richard L. Church
	Assessing the robustness in topological configurations of rapid transit systems	Miguel A. Pozo, Antonio J. Lozano, Juan A. Mesa, & Francisco A. Ortega
	Locating Sensors on a Traffic Network: an Overview	Monica Gentili & Pitu B. Mirchandani
	Mathematical models for reverse logistics: An algorithm for a two-level problem	Leonardo R. da Costa & Roberto Diéguez Galvão
3:10 – 3:30pm	**Coffee break**	
3:30 – 5:10pm	**Disperson, barriers and regret (3)**	**Chair: Leonardo R. da Costa**
	The Maximal Dispersion Territory Design Problem	Elena Fernández, Jörg Kalcsics, Stefan Nickel, & Roger Rios
	Optimal Placement of a Facility In Presence of a Probabilistic Barrier	Mustafa S. Canbolat & George O. Wesolowsky
	Minimax Regret Path Location on Trees	Justo Puerto, Federica Ricca, & Andrea Scozzari

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Monday, June 30th

8:30 - 10:10am	**Covering Models (4)**	**Chair: Vladimir Marianov**
	Coverage Optimization for Deploying an Emergency Wireless Network	Daoqin Tong & Sandy Dall'erba
	The minimal cost/maximal covering p-forest problem	John Current & Richard L. Church
	Market Coverage and Service Quality in Digital Subscriber Lines Infrastructure Planning	Tony H. Grubesic, Timothy C. Matisziw & Alan T. Murray
	The Location Set Covering Problem with Service Quality: User Choice of Facility	Vladimir Marianov & H.A. Eiselt
10:10 - 10:30am	**Coffee break**	
10:30 - 12:10pm	**Location Modeling &GIS (4)**	**Chair: Tony Grubesic**
	Location Modeling and GIS	Alan T. Murray & Richard L. Church
	A Location-Routing Model and a GIS Framework for a Competitive Multi-Facility Location Problems	Burçin Bozkaya, Seda Yanık, & Billur Engin
	Transportation for Seniors; Planning a Senior Shuttle Service with GIS	Nigel Waters & Muhammad Tubbsum
	Location Planning using Geographic and Demographic Data	Bernhard van Bonn, Konstantin Horstmann, Stefan Nickel & Hans-Peter Ziegler
12:10 - 1:30pm	**Lunch**	

Monday, June 30th

1:30 – 3:10pm	**Hub Location (4)**	**Chair: Tanja Meyer**
	Rectilinear minimax hub location problems	Morton E. O'Kelly
	Solving the Capacitated Hub Location Problem with Single Assignment with Branch-and-Price	Iván Contreras, Elena Fernández, & Juan A. Díaz
	A 2-phase algorithm for solving p-hub location problems	Andreas T. Ernst, Mohan Krishnamoorthy, & Tanja Meyer
	Release Time Scheduling in Hub Location Problems	Bahar Y. Kara, Oya E. Karasan, & Hande Yaman
3:10 – 3:30pm	**Coffee break**	
3:30 – 5:10pm	**Emergency response, restoration, and protection (4)**	**Chair: Alan T. Murray**
	Prioritizing Network Service Restoration	Timothy C. Matisziw, Alan T. Murray, & Tony H. Grubesic
	A multi-level modeling approach for the capacitated p-median interdiction problem with fortification	M. Paola Scaparra & Richard L. Church
	Models and Algorithms for location and relocation of ambulances	Roberto Cordone, Federico Ficarelli, & Giovanni Righini
	The Historical Allocation and Location (HAL) Model for EMS Location	Paul Sorensen & Richard L. Church

Tuesday, July 1

8:30 – 10:10am	**New models & Algorithms (4)**	**Chair: Oded Berman**
	A Two-Phase Multicriteria DSS Dedicated to Location Problems	João Clímaco, Maria Eugénia Captivo, Sérgio Fernandes, & Inês Vital
	Constructing a DC Decomposition for the Ordered Median Problem	Zvi Drezner & Stefan Nickel
	Improved Algorithms for Covering a Family of Paths	A. Tamir
	Location of a Facility which Sells Goods	Carlton H. Scott & Zvi Drezner
10:10 - 10:30am	**Coffee break**	
10:30 - 12:10pm	**Hub Location (5)**	**Chair: James Campbell**
	The Stochastic p-Hub Center Problem with Service-Level Constraints	Thaddeus Sim, Timothy Lowe, & Barrett Thomas
	The design of incomplete hub networks	Sibel Alumur, Bahar Y. Kara, & Oya E. Karasan
	The tree-of-hubs location problem: A comparison of formulations	Iván Contreras, Elena Fernández, & Alfredo Marín
	Single hub location of air cargo using the generalized Weber model	Daisuke Watanabe, Takahiro Majima, Keiki Takadama, & Mitujiro Katuhara
	Hub Location for Time Definite Transportation	James F. Campbell
12:10 – 1:30pm	**Lunch**	

Tuesday, July 1st		
1:30 – 3:10pm	**The Environment (4)**	**Chair: Michael Kuby**
	A discussion of some location problems global warming can cause	Richard L. Francis
	A Pipeline Network Design Model for Geologic Carbon Sequestration and Carbon Credit Pricing	Richard Middleton, Michael Kuby, & Jeffrey Bielicki
	Comparison of Different Methods for the Optimal Location of Pumping Wells in an Aquifer	Maria C. Cunha & António Antunes
	What foreclosed homes should a municipality purchase to stabilize vulnerable neighborhoods	Michael P. Johnson & David Turcotte
3:10 – 3:30pm	**Coffee break**	
3:30 – 5:10pm	**Stochastic (2)**	**Chair: Stefan Nickel**
	Voronoi Approaches to Location Problems Related to Wireless Sensors	Atsuo Suzuki, Takehiro Furuta, Mihiro Sasaki, Fumio Ishizaki, & Hajime Miyazawa
	Stochastic Location-Assignment on an Interval with Sequential Arrivals	Kannan Viswanath & James Ward
	Discussion & Selection of the site for ISOLDE-XII	
6:30pm -	**Dinner at the Rotunda of the Doubletree Hotel**	