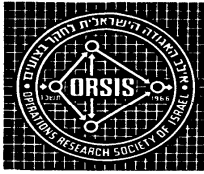




## ORSIS Conference 2007 - Schedule of Talks

Sunday 13.5.07

Time	Track 1	Track 2	Track 3	Track 4
9:30-10:45	Welcome Plenary talk: Noam Nisan "Algorithmic mechanism design"			
10:45-11:15	Coffee break			
11:15-12:24	Combinatorial Optimization 1: 1) Dror Rawitz "Optimization problems in multiple interval graphs" 2) Yael Berstein "The Graver complexity of integer programming" 3) Asaf Levin "Monotone covering problems with an additional covering constraint"	Game theory: 1) Arieh Gavious "Separating Equilibria in Public Auctions" 2) Roey Steinhorn "The Paradox of Warning System Litigation" 3) Uri Meir "Internet Auctions – How they do things on Ebay"	Optimization issues in the electricity market: 1) Asher Tishler "Endogenous Capacity and Optimal Generation Technology Mix in a Competitive Electricity Market" 2) Vladimir Gurevich "Lagrangian relaxation based unit commitment method for large scale power systems with pumped storage and limited fuels" 3) Zohar Lavie "Environmental optimization after reconstructing the electricity sector in Israel"	
12:30-13:30	Plenary talk: Robert Aumann "Game Engineering"			
13:30-14:40	Lunch break			
14:40-16:12	Game theoretic methods in communication networks: 1) Liane Lewin – Eytan "Maximum lifetime routing: system optimization & game theoretic perspectives" 2) Michal Feldman "Strong price of anarchy" 3) Yishay Mansour "The communication complexity of uncoupled Nash equilibrium Procedures" 4) Yishai Menache "Fixed rate equilibrium in wireless collision channels"	Optimization: 1) Benjamin Baran "Asynchronous Team Algorithms" 2) Uriel G. Rothblum "Risk-sensitive and risk-neutral multi-armed bandits" 3) Michael Masin "Evaluating a unique inflection point by a derivative-free algorithm" 4) Eli Prisman "Arbitrage Violation and implied valuations"	Operation Management 1: 1) Yale T. Herer "A New Old Method for Calculating Order-Up-To Levels for Transshipment Problems" 2) Eran Hanany "Nash Bargaining over Allocations in Inventory Pooling Contracts" 3) Tal Ben Zvi "Serial production systems with random yield and rigid demand: a heuristic" 4) Nicole Adler "Knowledge Flows and Modeling Competition among Multinational Enterprises"	Applications 1: 1) Michal Blumberg "Consistent Node arrival order in dynamic network loading models" 2) Gila E. Fruchter "Social Relationship and Transactional Marketing Policies - Maximizing Customer Lifetime Value" 3) Nir Grosfeld "Two state POMDPs: Recent advances" 4) Iddo Eliazar "Searching circular DNA strands: modeling, analysis and optimization"



Sunday 13.5.07 (continued)

Time	Track 1	Track 2	Track 3	Track 4
16:12-16:40	Coffee break			
16:40-18:12	Reinforcement Learning: 1) Roy Fox "A reinforcement learning algorithm with polynomial interaction complexity for only costly observable MDPs" 2) Yishay Mansour "Learning and planning for POMDPs" 3) Ron Meir "Reinforcement learning in biological and artificial agents – some lessons from policy learning" 4) Nahum Shimkin "Some variants of confidence bounds algorithms for reinforcement learning"	Cross Entropy 1: 1) Roman Berezin "Cross entropy algorithm for deterministic and stochastic jobshop scheduling problems" 2) Reuven Y. Rubinstein "A fast maximum entropy method for solving NP-hard combinatorial optimization and counting problems" 3) Yochai Gat "Comparison studies of entropy based optimization methods for the maximum clique problem"	Operation Management 2: 1) Tal Raviv "Integrated assembly line balancing and inspection allocation problem in an inline rework environment" 2) Hussein Naseraldin "Integrating a One-Time Probabilistic Special Purchasing Opportunity with On-going Replenishment Decisions" 3) Michal Tzur "Efficient and Robust Design for Transshipment Networks" 4) Shoshana Anily "Cooperation in Service Systems"	Queuing Theory 1: 1) Yoni Nazarathy "Transient Fluid Solutions and Queuing Networks with Infinite Virtual Queues" 2) Moshe Haviv "Computational schemes for two exponential servers where the first has a finite buffer" 3) Hagit Sarfati "Analysis of the TAGS scheduling policy" 4) Yoav Kerner "The conditional distribution of the residual service time in the Mn/G/1 queue"
18:15-19:30	Walking tour		ORSIS general assembly	
20:00-22:00	Conference dinner + plenary talk (in Hebrew): Uzi Motro "Domestic conflicts among animals"			



**Monday 14.5.07**

Time	Track 1	Track 2	Track 3	Track 4
9:00-10:32	<p>Scheduling:</p> <p>1) Yaron Leyvand "A General Approach to Solve Various Due Date Assignment Problems for a General type of Resource Consumption Function"</p> <p>2) Roey Drobles "Preemptive repeat stochastic scheduling with machine's age constraint"</p> <p>3) Assaf Sarig "On single machine due-window assignment problems"</p> <p>4) Liron Yedidsion "Real time data gathering in sensor networks"</p>	<p>Queueing theory 2:</p> <p>1) Noam Paz "Markovian Queues in Random Environment with System Failures"</p> <p>2) Nir Perel "An Alternating Queue with Slow Servers and Impatient Customers"</p> <p>3) Efrat Perel " A 2-Queue System Where Customers of One Queue Serve the Customers of the Other Queue"</p> <p>4) Uri Yechiali "M/G/infty polling systems with random visit times"</p>	<p>Continuous Optimization:</p> <p>1) Alex Segal "Projection algorithm for sparse convex feasibility problems"</p> <p>2) Ronny Ben-Tal "Difficult Estimation Problems made Easy"</p> <p>3) Shimrit Shtern "Controlling the bullwhip effect in a supply chain via robust optimization"</p> <p>4) Amir Beck "Exact and Approximate Solutions of Source Localization Problems"</p>	<p>Applications 2:</p> <p>1) Ram Orzach "Inventor's quandary: In-house or start-up?"</p> <p>2) Michael Dreyfuss "Modeling and analysis of a Variety of Exchangeable-Item Repair Systems with Spares</p> <p>Spares Provisioning"</p> <p>3) Yahel Giat "Optimal investment in Process Quality"</p> <p>4) Eitan Bachmat "Analysis of airplane boarding times"</p>
10:32-11:00	Coffee break			
11:00-13:00	<p>Plenary talk: Mor Harchol Balter "Scheduling for server farms"</p> <p>Plenary talk: Baruch M. Schieber "Coping with the unknown in the battlefield and on the auction block"</p>			
13:00-14:10	Lunch break			
14:10-15:00	<p>Plenary talks: The winners of the ORSIS excellence prize:</p> <p>1) D. Perry, W. Stadje and S. Zacks: "On Queues with Truncations and Finite Dams "</p> <p>2) Dvir Shabtay, Moshe Kaspi and George Steiner, "The No-Wait Two-Machine Flow-Shop Scheduling Problem with Convex Resource-Dependent Processing Times"</p>			
15:10-16:19	<p>Combinatorial Optimization 2:</p> <p>1) Leah Epstein "On the online unit clustering problem"</p> <p>2) Ron Lavi "Truthful mechanism design for multi-dimensional scheduling via cycle monotonicity"</p> <p>3) Gur Mosheiov "Batch scheduling on two-machine shops with machine dependent setup times"</p>	<p>Queueing theory for workforce management applications:</p> <p>1) Zohar Feldman "Staffing of time varying queues to achieve time stable performance"</p> <p>2) Sergey Zeltyn "Sojourn times in a multi-server queue with mixed priorities"</p> <p>3) Segev Waserkrug "Shift scheduling for 3<sup>rd</sup> level IT support: challenges models and case study"</p>	<p>Cross Entropy 2:</p> <p>1) Daniel Sigalov "Cross entropy data association for multiple target tracking"</p> <p>2) Boaz Kaminer "Solving large max-cut problems using cross entropy &amp; parametric minimum cross entropy"</p> <p>3) Boaz Golany " Setting Gates for Activities in the Stochastic Project Scheduling Problem Through the Cross Entropy Methodology"</p>	



**Monday 14.5.07 (continued)**

Time	Track 1	Track 2	Track 3	Track 4
16:19-16:50	Coffee break			
16:50-17:59	Combinatorial Optimization 3: 1) Aharona Pfeffer "Swapping problems on graphs" 2) Celia A. Glass "Optimising data capture from a sensor network" 3) Yuval Cohen " A new efficient heuristic for cross-dock door assignment problem"	Fluid and diffusion limit theorems: 1) Haya Kaspi "Law of large numbers approximations of many server queues" 2) Gennady Shaikhet "On diffusion models of queueing systems" 3) Rami Atar "Diffusion limit for dynamic routing with random service rates"	Constraint programming for applications of operations research: 1) Yossi Richter "Applying constraint programming to workforce management of highly skilled employees" 2) Bella Dubrov "Constraint satisfaction for truck configuration" 3) Roie Zivan "Solving meeting scheduling using distributed CSP model and algorithms"	DEA: 1) Harel Eilat "Constructing and evaluating balanced portfolios of R&D projects with interaction:A DEA based methodology" 2) Ekaterina Yazhemskey " Measuring the relative socio-economic performance of developing countries" 3) Mali sher
18:10-19:19	Combinatorial optimization and operation management: 1 ) Doron Chen "Revisiting relaxation-based optimal algorithms for the solution of the continuous and discrete p-center problems" 2) Nir Halman "Fully Polynomial Time Approximation Schemes for Stochastic Dynamic Programming" 3) Aliza R. Heching "Simulating costs of warranty policies"	Applications 3: 1) Amnon Gonen "Line of site approach is different out of Israel?" 2) Moshe Zofi "Multi-agent strategies for visual area coverage scheduling" 3) Isaac Balaila "A manpower allocation model for service jobs"	Operations Research in the police force: 1) 2) 3)	Soft Computing: 1) Hanna Rakytyanska "Fuzzy inventory control as identification problem" 2) Sivan Hourii " Decision support system for the pregnant woman; risk forecasting for newborn, based on fuzzy logic"