ORSIS Conference – May 2008
Sunday, May 18th 2008

8:30-9:30 Registration (Cultural center lobby)

9:30-9:45 Opening Session (Gallery) – Chair A. Gavious
U. Rothblum ORSIS President
G. Rabinowitz – Ben Gurion University

9:45-10:30 Plenary Session (Gallery) – Chair A. Gavious
Itzhak Gilboa – "Empirical Similarity and Objective Probabilities"

10:30-10:50 Coffee break (Cultural center lobby)

10:50-11:30 Plenary Session (Gallery) – Chair R. Orzach
Yair Tauman – "A Strategic Analysis of the War Against Transnational Terrorism"

11:35-12:55 Parallel Sessions – Sunday 1

Sunday 1A (Gallery): Game Theory 1 – Chair E. Segev
1. Orzach R., Spurr S.J.: "Lesser-Included Offenses"
2. Hanany E., Tzur M., Levran A.: "The Transshipment Fund Mechanism: Coordinating the Decentralized Multi-Location Inventory Problem"
4. Segev E.: "Some have a Talent for Bargaining and Some Don’t"

Sunday 1B (Cafeteria): Operations Management 1 – Chair Y. Gerchak
1. Bick A., Mhalal M., Ricenberg R.: "Data Envelopment Analysis (DEA) and ABC Analysis For Optimal Inventory Management"
2. Wasserkrug S., Richter Y. and Gilat D.: "Models for Manpower Planning at Different Time Horizons"
4. Azriel O., Gerchak Y.: "A Contest among Distributors over Who is the Better Newsvendor"

Sunday 1C (Auditorium): Artificial Intelligence – Chair R. Zivan
1. Aharoni M.: "Generation Core: IBM’s Systematic Constraint Solver"

Sunday 1D (Brosch): Scheduling 1 – Chair G. Rabinowitz

12:55-14:30 Lunch

14:30-15:50 Parallel Sessions - Sunday 2
Sunday 2 A (Gallery): Statistics & probability – Chair I. Eliazar
1. Viente K., Masin M., Boneh A.: "Random Derivative-free Line-Search Algorithms for finding characteristic points of single variable functions"
4. Eliazar I.: "Lorenzian analysis of infinite Poissonian populations and the Phenomena of Paretian ubiquity"

Sunday 2 B (Cafeteria): Fighting Terror – Chair B. Golany
1. Naor S., Raz D., Scalosub G.: "Toward a Unified Analysis of Interferences and Collisions in Wireless Networks"
4. Golany B., Kogan K., Rothblum U.G.: "Dynamic Coordination between Two Asymmetric Agents Moving Along a Route"

Sunday 2 C (Auditorium): Mathematical Modeling – Chair R. Zivan
1. Goldenberg J., Lowengart O., Shapira D.: "Zooming In: Self-Emergence of Movements in New Product Growth"

Sunday 2 D (Brosh): Scheduling 2- Chair D. Shabtai
1. Ben-Dov Y.T., Pinto G., Rabinowitz G.: "A Customized Branch and Bound Algorithm to Solve the Multi-Mode Resource-Sharing and Constrained Scheduling Problem"
2. Tirkel I., Reshef N., Rabinowitz G.: "Semiconductors manufacturing in-line inspection tradeoff"
3. Levner E., Kats V.: "A parametric algorithm for cyclic scheduling problems With applications to robotics and logistics"
4. Mandelbaum M., Shbatay D.: "The Value of Lookahead Information in Scheduling Unit Length Jobs on Parallel Machines"

15:50-16:10 Coffee break (Cultural center lobby)

16:10-16:50 Naor lecture (Gallery) – Chair B. Golany
Dimitris Bertsimas - "Prediction of Health Care Costs via Data-Mining and Algorithmic Discovery of Medical Knowledge"

16:50-17:20 ORSIS's general meeting

17:30-19:00 Eve excursion

19:20 Dinner & Lecture – Chair G. Mosheiov
Yoav Yair - "An accident waiting to happen - NASA's Organizational Culture as a Factor in the Space Shuttle Columbia disaster"
ORSIS Conference – May 2008  
Monday, May 19th 2008

8:30-9:00 Coffee & Cake (Cultural center lobby)

9:00-10:20 Parallel Sessions - Monday 3
Monday 3 A (Gallery): Game Theory 2 – Chair M. Feldman
1. Dobzinski S., Nisan N.: "The Power of VCG: On Algorithms that are Maximal In Range"
2. Fiat A., Pochter H.: "Subjective vs. Objective Reality --- the Risk of Running Late"

Monday 3 B (Cafeteria): Operations Management 2 – Chair B. Avi-Itzhak
1. Forma I., Raviv T., Tzur M.: "A Model For Planning Of Production, Inventory And Combined Routing Of Delivery And Pick-Up"
2. Sher M., Adler N.: "Location-allocation models for the traffic police routine patrol vehicles on an interurban network"
3. Raviv T.: "Efficient Algorithm for Maximizing the Expected Profit from a Serial Production Line with Inspection Stations and Rework"
4. Reshef N., Latner A., Rabinowitz G.: "Imperfect maintenance of partially observable heterogeneous machines"

Monday 3 C (Auditorium): Continuous Optimization 1 – Chair A. Beck

Monday 3 D (Brosh): Transportation – Chair A. Pfeffer
1. Rahamim S., Blumberg Nitzani M., Bar-Gera H.: “Continuous Correction Functions for Dynamic Route Choice Algorithms"

10:20-10:40 Coffee break (Cultural center lobby)

10:40-11:00 Granting ORSIS award for 2008 - U. Rothblum ORSIS President
Presenting ORSIS award for excellent work in Operations research
Presenting ORSIS award for graduate students work in memory of Professor Avraham Mehrez

11:00-12:20 Parallel Sessions - Monday 4
Monday 4 A (Gallery): ORSIS & Mehrez awards – Chair M. I. Henig
2. Rawitz D.: “On the equivalence between the primal-dual schema and the local ratio technique”
Monday 4 B (Cafeteria): Natural Resource Management – Chair G. Oron
2. **Axelrad G.**: “Regional Planning of Water and Wastewater Allocation among Competitive Users”

Monday 4 C (Auditorium): Routing, Queueing, Green Energy and Graphs – Chair U. Yechiali
1. Cohen Y., **Sadeh A.**, Raz D.: "From Node Routing to Arc Routing: Utilizing the Chinese Postman problem for Heuristically Solving the TSP"
2. **Elazari A.**: "Economic in the green energy mirror: world energy crisis- economic aspects"
3. **Korach E.**, Nguyen T., Peis B.: "Subgraph characterization of Red/Blue-Split Graph"
4. **Yechiali U.**: “The Israeli Queue”

Monday 4 D (Brosh): Game Theory 3 – Chair Y. Heller
1. **Liane L.E.**, Naor J., Orda A., Buchbinder N.: "Non-Cooperative Cost Sharing Games via Subsidies"
2. **Forshner Z.**: "Games With Segmented Knowledge"
3. **Heller Y.**: "All-stage strong correlated equilibrium"

12:20-13:40 Lunch

13:40-14:20 Plenary Session (Gallery) – Chair M. I. Henig
   **Edward Kaplan** - "Prediction Markets and the US Presidential Election"

14:20-14:40 Coffee break (Cultural center lobby)

14:40-16:00 Parallel Sessions - Monday 5

   Monday 5 A (Gallery): Decisions – Chair M. I. Henig
   2. **Levin Sh. M.**: “Morphological Analysis, Synthesis, and MCDM”
   3. **Furems M. E.**: “Multi-attribute Classification Techniques on the Basis of the Verbal Decision Analysis”
   4. **Henig I. M.**: “The utility of utility functions - a demonstration”

   Monday 5 B (Cafeteria): Signals Analysis – Chair O. Levi
   1. **Chassidim Y.**, Levi O.: “Decomposition of 3D Images into Multi-scale Geometrical Components”
   4. Chassidim Y., **Levi O.**: "Matching Pursuit under the gown of Linear Regression”

   Monday 5 C (Auditorium): Continuous Optimization 2 – Chair A. Beck
   1. **Ben- Tal A.**: "The Power of Duality"
   2. **Tetruashvili L.**: "Mirror Descent method with functional constraints"
   3. **Band M.**: "Robust optimization for radio-therapy treatment planning"
Monday 5 D (Brosh): Scheduling 3- Chair D. Shabtai

1. Mosheiov G., Sarig A.: "Scheduling a Maintenance Activity on a Two-Machine Flowshop"
2. Mosheiov G., Sarig A.: "Due-Date Assignment on Uniform Machines"
3. Shabtay D., Leyvand Y.: "Common Due Date Assignment to Minimize the Weighted Number of Tardy Jobs in Scheduling a Single Machine with Controllable Processing Times"
4. Yedidsion L., Shabtay D., Kaspi M.: "Complexity Analysis of an Assignment Problem with Controllable Assignment Costs"