

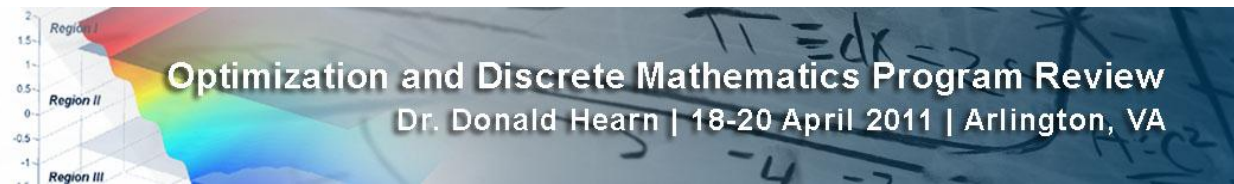


Optimization and Discrete Mathematics Program Review

Dr. Donald Hearn | 18-20 April 2011 | Arlington, VA

WEDNESDAY, APRIL 18TH

PRESENTER	TIME	TITLE
Robert Mifflin Washington State University	8:30 AM	A First Step in Designing a VU-algorithm for Nonconvex Minimization
Jong-Shi Pang University of Illinois	9:00 AM	Competitive Resource Allocation, QPCCs: A progress report
John Mitchell Rensselaer Polytechnic Inst.		
Stephen Vavasis University of Waterloo	9:30 AM	Efficient Algorithms for Large-Scale Convex Optimization
	10:00 AM	BREAK
Darrell Whitley, Adele Howe Colorado State University	10:30 AM	Exploiting Elementary Landscape Analysis to Improve Search on NP-Hard Problems
Tamás Terlaky Lehigh University	11:00 AM	Mixed Integer Second Order Conic Optimization (MISOCP): Disjunctive Conic Cuts
Charles Audet École Polytechnique de Montréal	11:30 AM	Quadratic and TGP models within the MADS Algorithm for Blackbox Optimization
Katya Scheinberg Lehigh University	12:00 PM	Recovering Sparse Hessian Structure and Using Random Models in Derivative-Free Optimization
	12:30 PM	LUNCH
Sheldon Jacobson University of Illinois	2:00 PM	Sequential Stochastic Assignment Problems: Dependency and Uncertainty
Pavlo Krokhmal University of Iowa	2:30 PM	Probabilistic Analysis of Multidimensional Assignment Problems
Kevin Wood Naval Postgraduate School	3:00 PM	Game Theoretic Search and Detection
	3:30 PM	BREAK
Eduardo Pasillao Air Force Research Laboratory	4:00 PM	Particle Filters and Assignment Problems for Target Tracking
Oleg Prokopyev University of Pittsburgh	4:30 PM	Irregular Polyomino Tiling via Integer Programming
K. Subramani West Virginia University	5:00 PM	Bounded Error Approximation Algorithms for Risk-Based Intrusion Response
	5:30 PM	ADJOURN

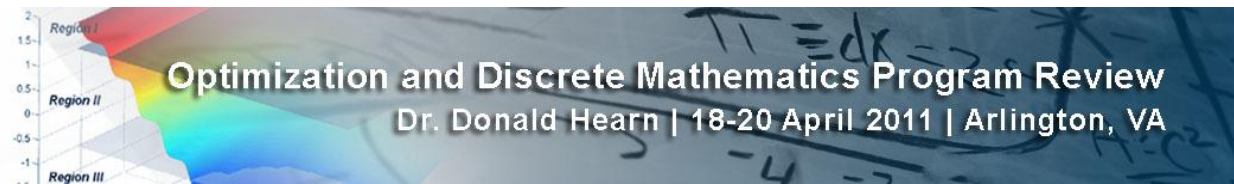


Optimization and Discrete Mathematics Program Review

Dr. Donald Hearn | 18-20 April 2011 | Arlington, VA

THURSDAY, APRIL 19TH

PRESENTER	TIME	TITLE
Michael Ferris, Stephen Robinson University of Wisconsin	8:30 AM	Expanding the Reach of Nonlinear Optimization
Robert Freund, Jaime Peraire MIT	9:00 AM	Recent Research on Design Optimization of Wave Propagation in Metamaterials
J. Eckstein, A. Ruszczyński Rutgers	9:30 AM	Coherent Risk-Adjusted Decisions over Time: a Bilevel Programming Approach
	10:00 AM	BREAK
Warren Powell Princeton University	10:30 AM	Optimal Learning and Approximate Dynamic Programming for High-Dimensional Stochastic Search and Control
Peter Frazier Cornell University	11:00 AM	New One-Step Bayes-Optimal Algorithms for Global Optimization: Parallel Computing and Common Random Numbers
Johannes Royset Naval Postgraduate School Terry Rockafellar University of Washington	11:30 AM	Optimal Budget Allocation for Sample Average Approximation
Stan Uryasev University of Florida	12:00 PM	New Developments in Uncertainty: Linking Risk Management, Reliability, Statistics and Stochastic Optimization
	12:30 PM	LUNCH
Shabbir Ahmed Georgia Tech	2:00 PM	Deterministic Formulations of Probabilistic Set Covering Problems
John Hooker Carnegie-Mellon University	2:30 PM	Alternative Methods for Obtaining Optimization Bounds
Ergun Ozlem, G. Nemhauser Georgia Tech	3:00 PM	Solving IPs and Improving Bounds by Restricting and Relaxing Formulations
	3:30 PM	BREAK
Christos Cassandras Boston University	4:00 PM	A Dynamic Optimization Approach for Persistent Search Problems
Steve Marcus, Michael Fu, Jiaqiao Hu University of Maryland	4:30 PM	Some Recent Research in Simulation Optimization
Suvrajeet Sen Ohio State University	5:00 PM	Dynamic Stochastic Mixed-Integer Programming Algorithms
	5:30 PM	ADJOURN



FRIDAY, APRIL 20TH

PRESENTER	TIME	TITLE
Gerald Brown Naval Postgraduate School	8:30 AM	Evaluating Mission Assurance for Andersen AFB, Guam
Retsef Levi, Tom Magnanti MIT	9:00 AM	An Optimization Framework for Air Force Logistics Models
Patrick Jaillet MIT	9:30 AM	Data-Driven Online And Real-Time Combinatorial Optimization
	10:00 AM	BREAK
Piyush Kumar Florida State University	10:30 AM	Instant Approximate 1-center on Roads
Sergiy Butenko Texas A&M University	11:00 AM	Clique Relaxation Models in Network Analysis
Dursun Bulutoglu Air Force Institute of Tech.	11:30 AM	Finding GMA Orthogonal Arrays by Enumeration
Alfredo Garcia University of Virginia	12:00 PM	Speeding Up the Cross Entropy Method for Global Optimization
	12:30 PM	ADJOURN