

WORKSHOP ON OPERATIONS AND MANAGEMENT SCIENCE, JULY 28 & 29 2005

Program	Thursday, July 28	Friday, July 29
09:00 – 10:15	Applied Session: Transporte , Chairman: Cristián Cortés 1. Modelamiento del uso del suelo urbano: el modelo MUSSA Francisco Martínez.	Applied Session: Minería , Chairman: Rafael Epstein 1. Planificación en minas subterráneas. Sergio Gaete. 2. Modelos matemáticos en planificación minera. Rafael Epstein, Andrés Weintraub, Marcel Goic.
10:15 – 10:30	Coffee Break	Coffee Break
10:30 – 11:30	Technical Session Session 1: Supply Chain Management 1. Flexibility and Efficiency Through Coordinated Planning Among Autonomous Companies: A Literature Review. C. Araneda, L. Lustosa. 2. Metodología y análisis de la gestión de proveedores para grandes mineras de Cobre en la Segunda Región de Chile. L. Pradenas, A. Saldaña, C. Silva, S. Echeverría. 3. Chilean Public Health Care Supply Chain Management Optimization. Sergio Maturana. Session 2: Scheduling – Manufacturing, Revenue Management 1. A heuristic for a real-life car sequencing problem with multiple requirements. T. Noronha, C. Ribeiro, C. Rocha, D. Aloise, S. Urrutia. 2. Políticas Dinámicas de Precio en Mercados Competitivos. R. Caldentey, G. Parada.	Technical Session Session 1: Network Applications 1. The Inefficiency of Equilibria in Nonatomic Congestion Games. J. R. Correa, A. S. Schulz, N. E. Stier-Moses. 2. Robust Network Capacity Expansion. F. Ordoñez. Session 2: Marketing, Auction 1. Lifetime Value Estimation Based on Transactional Data. P. Marín Vicuña, L. Aburto, M. Bosch, M. Goic. 2. The effect of corruption on bidding behavior in first-price auctions. L. Arozamena and F. Weinschelbaum.
11:30 – 11:45	Coffee Break	Coffee Break
11:45 – 13:00	Tutorial: Price of Anarchy. Nicolás Stier, Columbia Business School, Columbia University.	Tutorial: Auctions: An Operational Perspective. Gustavo Vulcano, Leonard N. Stern School of Business, New York University.
13:00 – 14:30	Lunch Break	Lunch Break
14:30 – 15:30	Tutorial: Robust Optimization. Fernando Ordoñez. Viterbi School of Engineering University of Southern California	Tutorial: Operations Decisions and Spot Markets. Víctor F. Araman, Leonard N. Stern School of Business, New York University.
15:30 – 15:45	Coffee Break	Coffee Break
15:45 – 17:00	Technical Session Session 1: Revenue Management 1. Stochastic revenue Management for Media Broadcasting. V. Araman, I. Popescu. 2. Pricing Policies for Perishable Products with Demand Substitution. G. Bitran, R. Caldentey, R. Vial. 3. Contracts with financial hedging. R. Caldentey, M. Haugh. Session 2: Optimization 1. Maximizing the Economic Value of an Underground Mine. R. Caldentey, R. Epstein, D. Saure. 2. Computing virtual nesting controls for network revenue management under customer choice behavior. G. Vulcano, G. van Ryzin. 3. Total allowable catch for managing squat lobster fishery using stochastic nonlinear programming. V. M. Alborno, C. M. Canales. 4. Formulación de la Planificación de la Expansión de Sistemas de Distribución. Guillermo Jiménez y Luis Vargas.	Technical Session Session 1: Financial Engineering 1. The International CAPM and a wavelet-based decomposition of Value at Risk. Viviana Fernandez. 2. Equilibrium Commodity Prices with Irreversible Investment and Non-Linear Technologies. J. Casassus, P. Collin-Dufresne, B. R. Routledge. Session 2: Logistics 1. Hazardous Waste Logistics in Urban Areas. Rodrigo A. Garrido and Andrés Bronfman. 2. Asignación de conductores a turnos de trabajo considerando desempeño histórico para una empresa de despacho a domicilio con demanda aleatoria. Juan Carlos Muñoz. 3. Column Generation combined with Constraint Programming to solve a Technician Dispatch Problem. Cristián Cortés, Andrés Weintraub, Sebastián Souyris.