Conference Program

ICCP 2014 – 6th International Conference on Complementarity Problems

August 4 – 8, 2014, Berlin, Germany

Monday, August 4 – Short Courses

	8:00 – 8:25 Registration 8:25 – 8:30 Opening Remarks
8:30	Michael Ferris: *Theory and Computations for Multiple Optimization Problems with Equilibrium Constraints (MOPEC)*
	10:30 – 10:45 Coffee Break
10:45	Todd Munson: *Model-Method Iteration: Solving Good Problems and Detecting Bad Ones*
	12:45 – 13:45 Lunch Break
13:45	Daniel Ralph: *Uncertainty in Electricity Markets*
	15:45 – 16:00 Coffee Break
16:00	Stefan Ulbrich: *Multilevel Methods for PDE-Constrained Optimization and Variational Inequalities*
	18:30 – 20:00 Welcome Reception

Tuesday, August 5

	8:00 – 8:45 Registration 8:45 – 9:00 Opening Remarks
9:00	Jong-Shi Pang: *On the Solution of Affine Generalized Nash Equilibrium Problems with Shared Constraints by Lemke's Method*
9:35	Todd Munson: *Revisiting Preprocessing for Generalized Nash Games*
10:10	Michael Hintermüller: *Generalized Nash Equilibrium Problems in Banach Spaces with Applications to Multiobjective PDE-Constrained Optimization*
	10:45 – 11:15 Coffee Break
11:15	Lorenz Biegler: *MPCCs Models for Chemical Process Optimization*
11:50	Jinglai Shen: *Shape Restricted Estimation via Constrained Optimization: Computation and Statistical Analysis*
	12:25 – 14:00 Lunch Break
14:00	Amir Beck: *On the Convergence of Alternating Minimization with Applications to Iteratively Reweighted Least Squares and Decomposition Schemes*
14:35	Andreas Fischer: *An Optimization Approach to Model Selection for Support Vector Regression*
	15:10 – 15:40 Coffee Break
15:40	Andy Philpott: *Modeling Incentives in Vertically Integrated Electricity Markets*
16:15	Che-Lin Su: *Estimation of Pure Characteristics Demand Models with Pricing*

Wednesday, August 6

8:00 − 8:55 Registration	
8:55 − 9:00 Organizational Remarks	

9:00	Michael Ferris: *The Convergence of Stationary Iterations with Indefinite Splitting*
9:35	Michael Ulbrich: *Hierarchical Tensor Formats and Multiparametric Variational Inequalities*
10:10	David Stewart: *Uniqueness and Fractional Index Dynamic Complementarity Problems*

10:45 − 11:15 Coffee Break	

11:15	Mihai Anitescu: *Iterative Methods for Complementarity Problems in Many-Body Contact Dynamics Simulation*
11:50	Jiri Outrata: *On the Coupling of Complementarity with Friction in Contact Shape Optimization*

12:25 − 14:00 Lunch Break	

14:00	Diethard Klatte: *Calmness of Solution Mappings in Parametric Optimization Problems*
14:35	Helmut Gfrerer: *Generalized Derivatives of the Normal Cone Mapping to Inequality Systems and their Applications*

15:10 − 15:40 Coffee Break	

15:40	Christian Kanzow: *On Mathematical Programs with Cardinality Constraints*
16:15	Oliver Stein: *Topologically Relevant Stationarity Concepts*

16:50 − 18:00 Coffee & Poster Session	

Thursday, August 7

8:00 − 8:55 Registration	
8:55 − 9:00 Organizational Remarks	

9:00	Helene Frankowska: *First and Second Order Variational Inclusions and Necessary Optimality Conditions for Deterministic Optimal Control Problems in the Presence of State Constraints*
9:35	Stefan Ulbrich: *Multigrid Semismooth Newton Methods for a General Class of Nonlinear Elastic Contact Problems*
10:10	Carlos Rautenberg: *On the Control of a Double Obstacle Problem in Image Reconstruction*

10:45 − 11:15 Coffee Break	

11:15	Ilan Adler: *A Class of Strongly Polynomially Solvable LCPs*
11:50	Richard Cottle: *Perspectives on the Parametric Linear Complementarity Problem*

12:25 − 13:00 Special Event	
13:00 − 14:00 Lunch Break	
14:00 − 18:00 Spree River Cruise	
19:30 − 22:30 Conference Dinner	

Friday, August 8

8:00 − 8:55 Registration	
8:55 − 9:00 Organizational Remarks	

9:00   Defeng Sun: *SDPNAL+: A Majorized Semismooth Newton-CG Augmented Lagrangian Method for Semidefinite Programming with Nonnegative Constraints*

9:35   John Mitchell: *On QPCCs, QCQPs and Completely Positive Programs*

10:10   Thomas Surowiec: *Bundle-Free Implicit Programming Approaches for the Optimal Control of Variational Inequalities of the First and Second Kind*

10:45 − 11:15 Coffee Break

11:15   Uday Shanbhag: *On the Solution of Stochastic Optimization and Variational Problems in Imperfect Information Regimes*

11:50   Shu Lu: *Confidence Regions and Confidence Intervals for Stochastic Variational Inequalities via the Normal Map Approach*

12:25 − 14:35 Lunch Break

14:35   Andreas Griewank: *From Piecewise Smoothness to Linear Complementarity*

15:10   Alain B. Zemkoho: *Nonlinear Bilevel Programming*

15:45 − 15:50 Closing and Final Remarks