

# International Conference on Optimization and Equilibrium Problems

Dresden, July 31 – August 2, 2019

## Scientific Program

(subject to short-term changes)

Wednesday, July 31		
<b>08:30 – 09:00</b>	<b>Registration</b> , Willersbau Room C 207	
<b>09:00 – 09:10</b>	<b>Opening</b> , Willersbau Room B 321, Andreas Fischer	
<b>09:10 – 10:40</b>	<b>1st Session</b> , Willersbau Room B 321, Session Chair: Aram Arutyunov	
09:10	Alexey F. Izmailov	Unit Stepsize for the Newton Method Close to Critical Solutions
09:40	Mario Jelitte	On Constrained Lipschitzian Error Bounds and Noncritical Solutions
10:10	Sergii Saukh	Regularization of the Clarke's Generalized Jacobian of the Fischer-Burmeister Function for Inexact Newton Methods
<b>10:40 – 11:00</b>	<b>Coffee Break</b> , Willersbau Room C 207	
<b>11:00 – 12:30</b>	<b>2nd Session</b> , Willersbau Room B 321, Session Chair: Christiane Tammer	
11:00	Nataša Krejić	Inexact Restoration with Subsampled Trust-Region Methods for Finite-Sum Minimization
11:30	Akhtar Khan	On the Nonlinear Inverse Problem of Identifying Elasticity Parameters in Incompressible Elasticity
12:00	Volodymyr O. Zhydkov	Optimization Problems for Regular Image Reconstruction
<b>12:30 – 14:00</b>	<b>Lunch</b>	
<b>14:00 – 15:30</b>	<b>3rd Session</b> , Willersbau Room B 321, Session Chair: Francisco Facchinei	
14:00	Xiaojun Chen	Two-stage Stochastic Variational Inequalities and Non-Cooperative Games
14:30	Julien Vaes	Optimal Execution Strategy under Price and Volume Uncertainty on the Power Market
15:00	Viktor S. Izhutkin	Dynamic Program Realization of Several Mathematical Models in Medicine
<b>15:30 – 16:00</b>	<b>Coffee Break</b> , Willersbau Room C 207	
<b>16:00 – 17:30</b>	<b>4th Session</b> , Willersbau Room B 321, Session Chair: Joaquim J. Júdice	
16:00	Tatiana E. Romanova	The Phi-Function Technique and Nonlinear Optimisation for Packing Problems
16:30	Yuliya I. Valiakhmetova	Ufa Scientific School of Cutting and Packing Problem Research
17:00	Gleb Belov	Linearization of Constraint Programming Models in MiniZinc

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Thursday, August 1		
<b>09:00 – 10:30</b>	<b>1st Session</b> , Willersbau Room B 321, Session Chair: Mikhail V. Solodov	
09:00	Christian Kanzow	Safeguarded Augmented Lagrangian Methods in Finite and Infinite Dimensions
09:30	Tamara A. Bardadym	Conic Regularization and Some Ill-Defined Optimization Problems
10:00	Sergey E. Zhukovskiy, Aram V. Arutyunov	On Global Inverse Function Theorem
<b>10:30 – 11:00</b>	<b>Coffee Break</b> , Willersbau Room C 207	
<b>11:00 – 12:30</b>	<b>2nd Session</b> , Willersbau Room B 321, Session Chair: Stephan Dempe	
11:00	Petro I. Stetsyuk, Olga N. Khomyak	1d and 2d Ellipsoids in Shor's Algorithms
11:30	Nikolai G. Zhurbenko	Subgradient Algorithm with Programmable Value of the Coefficient of Space Dilation ( $r(\sigma)$ -Algorithms)
12:00	Nazih Gadhi	Necessary optimality conditions for a bilevel problem using an exact penalization
<b>12:30 – 14:00</b>	<b>Lunch</b>	
<b>14:00 – 15:30</b>	<b>3rd Session</b> , Willersbau Room B 321, Session Chair: Vladimir Shikhman	
14:00	Christiane Tammer	Relationships between Constrained and Unconstrained Multi-Objective Optimization and Application in Location Theory
14:30	Pradyumn K. Shukla	Approximations for Pareto and Proper Pareto Solutions and their KKT Conditions
15:00	Laura Palagi	Branching with Hyperplanes in the Criterion Space: the Frontier Partitioner Algorithm for Bi-objective Integer Programming
<b>15:30 – 16:00</b>	<b>Coffee Break</b> , Willersbau Room C 207	
<b>16:00 – 17:00</b>	<b>4th Session</b> , Willersbau Room B 321, Session Chair: Nataša Krejić	
16:00	Stephan Dempe	Solution of Bilevel Optimization Problems Using the KKT Approach
16:30	Alain B. Zemkoho	An Inertial Extrapolation Method for Convex Simple Bilevel Optimization
<b>19:00</b>	<b>Conference Dinner</b> , Restaurant "Dresdner Aussicht"	

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Friday, August 2		
<b>09:00 – 10:30</b>	<b>1st Session</b> , Willersbau Room B 321, Session Chair: Christian Kanzow	
09:00	Mikhail V. Solodov	Some News on the Cost of Iterations of Augmented Lagrangian Methods
09:30	Joaquim J. Júdice	An Alternating Direction Method of Multipliers for the Eigenvalue Complementarity Problem
10:00	Roger Behling	On Generalized Circumcenters and Applications
<b>10:30 – 11:00</b>	<b>Coffee Break</b> , Willersbau Room C 207	
<b>11:00 – 12:30</b>	<b>2nd Session</b> , Willersbau Room B 321, Session Chair: Tatiana E. Romanova	
11:00	Francisco Facchinei	Ghost Penalties in Nonconvex Constrained Optimization: Diminishing Stepsizes and Iteration Complexity
11:30	Chesoong Kim	Optimization for Modern Wireless Communications Systems using Queueing Model with Correlated Arrival Processes
12:00	Viktor O. Stovba	Subgradient Method with Polyak's Step in Transformed Space
<b>12:30 – 14:00</b>	<b>Lunch</b>	
<b>14:00 – 15:30</b>	<b>3rd Session</b> , Willersbau Room B 321, Session Chair: Xiaojun Chen	
14:00	Vladimir Shikhman	Discrete Choice Prox-Functions on the Simplex
14:30	Asiye Aydilek	Do We Really Need Heterogeneous Agent Models?
15:00	Harun Aydilek	Minimizing Total Tardiness in a No-Wait Flowshop Scheduling Problem with Separate Setup Times with Bounded Makespan
<b>15:30</b>	<b>Closing</b> , Willersbau Room B 321, Alexey F. Izmailov	
<b>16:00</b>	<b>Hiking Tour</b> (if the weather provides)	