

Seventh German-Polish Conference on Optimization  
August, 27 - September, 1, 2017, Będlewo  
Preliminary program August, 18, 2017

**Monday, August, 28, 2017**

9.00-9.10	Opening	
9.15-10.00	Irena Lasiecka	<i>Boundary control of a 3D-fluid-structure interaction with moving frame</i>
10.00-10.30	Sabine Pickenhain	<i>Asymptotic controllability and optimal control - a Hilbert space approach</i>
10.30-11.00	Sergei Pereverzyev	<i>Regularization by the linear functional strategy with multiple kernels</i>
11.00-11.30	Coffee Break	
11.30-12.00	Hélène Frankowska	<i>Necessary conditions in stochastic optimal control</i>
12.00-12.30	Diethard Klatte	<i>On Lipschitz and Hölder stability of stationary solutions to nonlinear optimization problems</i>
12.30-13.00	Evgenyi Tyrtysnikov	<i>Optimization and multidimensional matrices</i>
13.00-14.45	Lunch	
14.45-15.30	Krzysztof Chelmiński	<i>Renormalized solutions in thermoplasticity</i>
15.30-16.00	Peter Mathé	<i>Tikhonov regularization with oversmoothing penalty</i>
16.00-16.30	Andreas Fisher	<i>Newton-type methods for Fritz-John systems of generalized Nash equilibrium problems</i>
16.30-17.00	Coffee Break	
17.00-17.20	Katarzyna Szulc	<i>Boundary control of strong solutions in FSI arising in coupling elasticity with Navier-Stokes equation</i>
17.20-17.40	Krzysztof Leśniewski	<i>On directional derivatives of cone-convex functions</i>
17.40-18.00	Piotr Puchała	<i>Some remarks about homogeneous Young measures</i>

## Tuesday, August, 29, 2017

8.45.-9.30	Radu Ioan Boț	<i>Proximal algorithms for nonconvex nonsmooth optimization problems with Kurdyka-Łojasiewicz functions</i>
9.30-10.00	Christoph Helmberg	<i>A dynamic scaling approach for bundle methods in convex optimization</i>
10.00-10.20	Rafał Zalas	<i>The optimal error bound for the method of simultaneous projections</i>
10.20-10.40	Christian Bargetz	<i>Convergence properties of dynamic string averaging projections in the presence of perturbations</i>
10.40-11.00	Krzysztof Rutkowski	<i>Closed-form formulas for projections with applications to inertial proximal best approximation methods</i>
11.00-11.30	Coffee Break	
11.30-12.00	Andrzej Cegielski	<i>Regular sequences of quasi-nonexpansive operators and their applications</i>
12.00-12.30	Anna Jezierska	<i>Asynchronous block-iterative best approximation scheme with memory</i>
12.30-13.00	Szilárd László	<i>Second order dynamical systems with penalty terms to monotone inclusions</i>
13.00-14.45	Lunch	
14.45-15.30	Piotr Kalita	<i>Convergence of attractors for a nonautonomous perturbed semilinear parabolic equation</i>
15.30-16.00	Phan Quoc Khanh	<i>Epi/hypo convergence of bifunctions on general domains and approximations of quasi-variational problems</i>
16.00-16.30	Stanisław Migórski	<i>On a class of subdifferential problems with applications to dynamic contact mechanics</i>
16.30-17.00	Coffee Break	
17.00-17.20	Dang-Khoa Nguyen	<i>The proximal alternating direction method of multipliers in the fully nonconvex setting: convergence analysis and rates</i>
17.20-17.40	Ewa Szczepanik	<i>P-th order optimality conditions for constrained optimization problems</i>
19.00	Grill party	

## Wednesday, August, 30, 2017

8.45.-9.30	Vladimir Shikman	<i>Computation of equilibria for Cobb-Douglas economy based on the power method</i>
9.30-10.00	Anna Ochal	<i>Variational-hemivariational inequalities with optimal control</i>
10.00-10.30	Valentin Gorokhovich	<i>From exhaustive families of lower concave approximations to the Demyanov-Rubinov subdifferentials</i>
10.30-11.00	Andrzej Myśliński	<i>Structural topology optimization of variational inequalities</i>
11.00-11.30	Coffee Break	
11.30-12.00	Andrei Dmitruk	<i>Necessary conditions in optimal control problems with integral equations</i>
12.00-12.20	Torsten Ziemann	<i>A Pontryagin-type maximum principle including transversality conditions for nonlinear infinite horizon optimal control in Hilbert spaces</i>
12.20-12.40	Angie Burtchen	<i>Controllability and optimal control problems with infinite horizon</i>
12.40-13.00	Agnieszka Prusińska	<i>P-regular nonlinear optimization - calculus and methods</i>
13.00-14.00	Lunch	
14.00-19.00	Excursion	

## Thursday, August, 31, 2017

8.45.-9.30	Andreas Löhne	<i>Calculus of convex polyhedra and polyhedral convex functions</i>
9.30-10.00	Jerzy Grzybowski	<i>Characterisation of difference of sublinear functions in convex optimization</i>
10.00-10.30	Michał Chlebiej	<i>Geometric reconstruction methodology for the cerebro-vascular system based on computer tomography and magnetic resonance images</i>
10.30-10.50	Jan Chorowski	<i>End-to-end approaches to speech recognition and language processing</i>
11.00-11.30	Coffee Break	
11.30-12.00	Elena Molho	<i>Stability in set-optimization</i>
12.00-12.30	Marcin Studniarski	<i>Radial derivatives and their applications to set-valued optimization</i>
12.30-13.00	Agnieszka Badeńska	<i>Compressed sensing in the quaternion algebra</i>
13.00-15.00	Lunch	
15.00-15.30	Anja Fisher	<i>Linearizations of polynomial matroid optimization problems</i>
15.30-16.00	Krzysztof Postek	<i>Multi-stage adjustable robust mixed-integer optimization via iterative splitting of the uncertainty</i>
16.00-16.30	Ignacy Kaliszewski	<i>Constructive duality in multiobjective optimization</i>
16.30-17.00	Coffee Break	
17.00-17.20	David Bartl	<i>A discrete variant of Farkas' Lemma and related results</i>
17.20-17.40	Przemysław Pyzel	<i>A multi-criteria approach to approximate solution of multiple-choice knapsack problem</i>
18.30-19.15	Harp concert	
19.15	Conference dinner	

## Friday, September, 1, 2017

8.45.-9.30	Akhtar Khan	<i>Inverse problems for ill-posed variational and quasi-variational inequalities</i>
9.30-10.00	Armin Hoffman	<i>Analytic approximation and differentiability of joint chance constraints</i>
10.00-10.30	Stephan Dempe	<i>Simple bi-level programming and extensions theory and applications</i>
10.30-10.50	Jose Vidal	<i>Fenchel-Lagrange c-conjugate duality in infinite-dimensional convex optimization</i>
11.00-11.30	Coffee Break	
11.30-12.00	Nasser Mikaeilvand	<i>Approximate solutions of differential equations based on combined planning of genetic and ant colony algorithms</i>
12.00-12.20	Closing	
12.20	Lunch	