



Vienna Graduate School on
Computational Optimization

RETREAT

June 10-12, 2022

Puchberg am Schneeberg, AUSTRIA



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TECHNISCHE
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Institute of
Science and
Technology
Austria



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UNIVERSITY OF
ECONOMICS
AND BUSINESS

The Retreat will start with lunch on Friday and will end with lunch on Sunday.

Schedule VGSCO Retreat, June 10 to 12, Puchberg am Schneeberg

Friday, June 10, 2022

12:30-14:00 Lunch

14:00-14:30 Michael Sedlmayer *Two (Forward) Steps at a Time - Training GANs with Tseng's Method*

14:30-15:00 Marc Huber *Advances on Learning Beam Search*

15:00-15:30 Maximilian Vötsch *Online Covering Algorithms*

15:30-16:00 Mikhail Karapetyants *Fast continuous time approaches with time scaling for nonsmooth convex optimization*

16:00-16:30 Coffee break

16:30-17:00 Jeferson Zapata *Degeneracy in semidefinite programming.*

17:00-17:30 Bo Peng *A fast algorithm to test copositivity*

17:30-18:00 Nimit Nimana *Asynchronous Proximal Subgradient Method for Solving Additive Convex Optimization Problems*

18:30 Dinner

Saturday, June 11, 2022

7:30-9:00 Breakfast

9:00-9:30 Tommaso Mannelli Mazzoli *Tabu Search for Bus Driver Scheduling Problem with hard Break Constraints*

9:30-10:00 Niklas Hey *Computing Nash equilibria via techniques in vector optimization*

10:00-10:30 Dang-Khoa Nguyen *Fast OGD in continuous and discrete time*

10:30-11:00 Coffee break

11:00-11:30 Gabriela Kováčová *Algorithm for unbounded convex vector optimization problems*

11:30-12:00 Eugenia Iofinova *On the impact of neural network sparsification beyond top-level accuracy*

12:00-12:30 David Alexander Hulett *Fast primal-dual dynamical systems with vanishing damping*

12:30-14:00 Lunch

14:30-18:00 Excursion/Hike

18:30 Dinner

Sunday, June 12, 2022

7:30-9:00 Breakfast

9:00-9:30 Ida Gjergji *Uncapacitated Facility Location Problem*

9:30-10:00 Jana Hlavinová *Eliciting set-valued functionals*

10:00-10:30 Markus Gabl *Two-Stage Stochastic Standard Quadratic Optimization*

10:30-11:00 Coffee break

11:00-11:30 Beryl Aribowo *Bonding features for $HxOy$ potential energy surface*

11:30-12:00 Sricharan Arunapuram *Lower Bounds for Dynamic Graph Problems*

12:00-12:30 Axel Böhm *Solving nonconvex-nonconcave min-max problems*

12:30-14:00 Lunch

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