

## Tuesday, April 16, 2019

8:45	Meeting at Masaryk railway station
9:01-10:08	Train to Kolín
11:00-14:00	EXCURSION TO THE TPCA CZECH, LTD. FACTORY
14:00-14:15	Check-in and registration
14:15-15:00	<i>Lunch</i>
15:30	<b>J. WIEDERMANN</b> Welcome
15:40-16:20	Introduction
	Chair: P. Martinková
16:20-16:40	<b>M. TURČIČOVÁ</b> (Chair: B. Bučková) Covariance modelling in high-dimension
16:40-17:00	<b>A. DRABINOVÁ</b> (Chair: J. Kopal) Nonparametric comparison of regression curves for DIF detection
17:00-17:20	<b>L. ŠTĚPÁNEK</b> (Chair: A. Pidnebesna) Modern statistical approaches for psychometric analyses of admission and other tests at medical schools
17:20-17:50	<i>Coffee break</i>
	Chair: J. Wiedermann
17:50-18:50	<b>L. PECEN</b> Introduction to mathematics in personalized medicine - prognostic, predictive, preventive models
19:00-20:00	<i>Dinner</i>
	Chair: P. Martinková
20:00-20:30	<b>T. ŠIROVÁ</b> News from the library
20:30-??:??	SOCIAL EVENING

## Wednesday, April 17, 2019

8:00-9:00	<i>Breakfast</i>
	Chair: J. Hlinka
9:30-9:50	<b>A. PIDNEBESNA</b> (Chair: M. Turčičová) Statistical analysis of the spatiotemporal processes
9:50-10:10	<b>J. KOŘENEK</b> (Chair: T. Kolárik) Graph theoretical properties of functional connectivity matrix
10:10-10:30	<b>T. KEREPECKÝ</b> (Chair: J. Žegklitz) Solving inverse problems for image restoration
10:30-11:00	<i>Coffee break</i>
	Chair: L. Pecen
11:00-11:20	<b>B. BUČKOVÁ</b> (Chair: A. Drabinová) Structural white matter changes in multiple sclerosis patients
11:20-11:40	<b>I. DALLMER-ZERBE</b> (Chair: P. Pulc) Computational modeling in epilepsy intervention
11:40-12:00	<b>J. KOPAL</b> (Chair: P. Krč) Brain connectivity dynamics
12:00-13:00	<i>Lunch</i>
13:30-15:30	TRAIN TRIP - KOLÍNSKÁ ŘEPAŘSKÁ DRÁŽKA
15:30-16:00	<i>Coffee break</i>
	Chair: M. Holeňa
16:00-16:20	<b>T. KOLÁRIK</b> (Chair: J. Žáková) SAT modulo differential equations
16:20-16:40	<b>O. KORKMAZ</b> (Chair: L. Folwarczný) Formal representation of beliefs in quantum computing framework
16:40-17:00	<i>Break</i>
	Chair: J. Wiedermann
17:00-18:00	<b>D. ČERNÝ</b> Ethics and artificial intelligence
18:00-19:00	<i>Dinner</i>
19:30-21:30	BOWLING

# Thursday, April 18, 2019

8:00-9:00	<i>Breakfast</i>
	Chair: M. Holeňa
9:30-9:50	<b>P. PULC</b> (Chair: L. Štěpánek) Advances in computer vision and multimedia processing
9:50-10:10	<b>J. ŽEGKLITZ</b> (Chair: J. Kořenek) Effective symbolic regression algorithms
10:10-10:30	<b>Z. PITRA</b> (Chair: T. Kerepecký) Landscape analysis of Gaussian process surrogates
10:30-11:00	<i>Coffee break</i>
	Chair: P. Juruš
11:00-11:20	<b>L. FOLWARCZNY</b> (Chair: O. Korkmaz) Monotone computations and proof complexity
11:20-11:40	<b>J. ŽÁKOVÁ</b> (Chair: Z. Pitra) Core problem in tensor setting
11:40-12:00	<b>P. KRČ</b> (Chair: I. Dallmer-Zerbe) How can we make Prague cool (again)
12:00	<b>E. PELIKÁN</b> Closing
12:30-13:30	<i>Lunch</i>
14:23-15:35	Train to Prague