Pátek 16. listopadu 2018

13:30–14:00	Kafíčko a zahájení		
	T210	**T211**	**T212**
14:00–14:20	Radek Hřebík *Diffusive and Kohonen Learning Strategy: Stock Market*	Ondřej Šembera *Independent Component Extraction*	Aleš Wodecki *Model of Planar and Spherical Phase Interface Geometries for Multi-Component Mixtures*
14:25–14:45	Issam Salman *Heart Attack Mortality Prediction*	Václav Kautský *Cramér-Rao Induced Bound for Complex Independent Component Extraction*	Jakub Klinkovský *Configurable Representation of a Class of Unstructured Meshes for HPC*
14:50–15:10	Václav Mácha *Accuracy at Top in Intrusion Detection*	Jakub Štěch *Heuristics in Blind Source Separation*	Jakub Solovský *MHFEM with BDDC for Two-Phase Flow in Porous Media in 2D and 3D*
15:10–15:30	Kafíčko		
15:30–15:50	Kateřina Henclová *Analýza krve hematoonkologických pacientů*	Jana Vacková *The Microscopic Analysis of Velocity-Density Paradigm*	
15:55–16:15	Vít Škvára *Deep Generative Models in Anomaly Detection*	Ondřej Kollert *Rigidity of Spectra in Damped Unitary Ensembles of Hyperbolic Kind*	
16:20–16:50	Lukáš Ulrych *Bayesian Optimization with Heteroscedastic Gaussian Process*	Martin Malachov *Modifications to the Fractal Patterns in Quantum Purification*	

Pátek 23. listopadu 2018

13:30–14:00	Kafíčko a zahájení		
	T210	**T211**	**T212**
14:00–14:20	Martin Prokš *Revisiting Transitions between Superstatistics*	Martin Dlask *Translation and Rotation Invariant Method of Renyi Dimension Estimation*	Jakub Kantner *Mathematical Model of Signal Propagation in Excitable Media*
14:25–14:45	Stanislav Skoupý *Perfect State Transfer by Means of Discrete-Time Quantum Walks on Km,n*	Jitka Kostková *Affine Moment Invariants of Vector Fields*	Jiří Minarčík *Properties of Curvature Flow in Codimension Two*
14:50–15:10	Iveta Semorádová *Quantum Square Well with Logarithmic Central Spike*	Ondřej Faltys *Area-Level Gamma Mixed Model*	Tomáš Smejkal *Unified Presentation of the Phase Equilibrium Calculation Problems*
15:10–15:30	Kafíčko		
15:30–15:50	Kateřina Medková *Fixed Points of Sturmian Morphisms and Their Derivated Words*	Jakub Kořenek *Causal Network Discovery by Iterative Conditioning*	Kateřina Solovská *Optical Flow-Based Non-Rigid Registration of Cardiac MRI Images*
15:55–16:15		Zbyněk Pitra *Surrogate Model Selection in Combination with the CMA-ES*	Pavel Eichler *Analysis of Immersed Boundary – LBM for Fluid-Structure Interaction*
16:20–16:50		Martin Flusser *Density-Approximating Neural Network Models for Anomaly Detection*	David Celný *Use of GPU for Molecular Simulations of Nucleation and Metastable State*