

# Doktorandské dny – 20. listopadu 2020

	<b>Sekce A1 (chair: Martin Holeňa)</b>	<b>Sekce B1 (chair: František Štampach)</b>
14:00–14:20	Zbyněk Pitra <i>Knowledge-Based Selection of Gaussian Process Surrogates in Combination with the CMA-ES</i>	Jaroslav Kňap <i>Infrared Behaviour of Weyl Gravity: Functional Renormalization Group Approach</i>
14:20–14:40	Jakub Kořenek <i>Causal Relations in Reverse Time Series</i>	Jan Mazáč <i>Perturbed Quantum Multiports – Analytically Solvable Models</i>
14:40–15:00	Martin Flusser <i>Adaptive Approach for Density-Approximating Neural Network Models for Anomaly Detection</i>	Iveta Semorádová <i>Diverging Eigenvalues in Domain Truncation of Schrödinger Operators with Imaginary Potential in 1D</i>
15:00–15:20	Jiří Fejlek <i>Demonstrations Based Stabilizing Control</i>	František Růžička <i>Conserved Quantities in Parity-Time Symmetric Systems</i>
15:20–15:40	<i>přestávka</i>	
	<b>Sekce A2 (chair: Martin Holeňa)</b>	<b>Sekce B2 (chair: Matěj Tušek)</b>
15:40–16:00	Václav Mácha <i>Accuracy at the Top for Deep Neural Networks</i>	Stanislav Skoupý <i>Quantum Walk Search on 3-Partite Graph</i>
16:00–16:20	Vít Škvára <i>Performance Measures for Anomaly Detectors</i>	Hana Řada <i>Periods of Multidimensional Continued Fractions</i>
16:20–16:40	Václav Kautský <i>Cramér-Rao Bounds for Complex-Valued Independent Component Extraction: Determined and Piecewise Determined Mixing Models</i>	Martin Zemko <i>Storing a Large Quantities of Data with <math>O(1)</math> Access Complexity</i>

# Doktorandské dny – 27. listopadu 2020

	<b>Sekce A3 (chair: Jaromír Kukal)</b>	<b>Sekce B3 (chair: Jiří Mikyška)</b>
14:00–14:20	Marko Ruman <i>Transfer of Knowledge in Reinforcement Learning Tasks</i>	Pavel Eichler <i>Cumulant Lattice Boltzmann Simulations of Turbulent Flow above Rough Surfaces</i>
14:20–14:40	František Hůla <i>Handling Trust in Information Sources</i>	Jiří Minarčík <i>Nondegenerate Homotopy and Geometric Flows</i>
14:40–15:00	Peter Príbeli <i>Probabilistic Modelling Opinion Formation in Social Interactions</i>	Aleš Wodecki <i>Analyza konvergence schématu konečných objemů na nestrukturované síti pro rovnici fázového pole</i>
15:00–15:20	František Gašpar <i>Estimates of Similarity Dimension via Diffusion over Compact Subsets of Regular Grids</i>	Tomáš Smejkal <i>Efficient Solution of Linear Systems Arising in the Linearization of the VTN-Phase Stability Problem Using the Sherman-Morrison Iterations</i>
15:20–15:40	<i>přestávka</i>	
	<b>Sekce A4 (chair: Jaromír Kukal)</b>	<b>Sekce B4 (chair: Radek Fučík)</b>
15:40–16:00	Jana Vacková <i>Social and Physical Pedestrian Sizes and Their Impact on the Decision-Based Modelling</i>	Petr Gális <i>Matematické modelování transportu komponent vícesložkové směsi v porézním prostředí</i>
16:00–16:20	Martin Dlask <i>Maximum Likelihood Approach to Hurst Exponent Estimation of Fractional Time Series</i>	Jakub Klinkovský <i>TNL: Numerical Library for Modern Parallel Architectures and Distributed Meshes</i>
16:20–16:40	Tomáš Kerepecký <i>D3Net: Joint Demosaicking, Deblurring and Deringing</i>	Jakub Solovský <i>Computational Methodology to Analyze the Effect of Mass Transfer Rate on Attenuation of Leaked Carbon Dioxide in Shallow Aquifers</i>