

WAIT 2020 program

Autonomous and Assisted Driving (chairman: Bálint Kiss)

Márton Tóth, Ágota Kacsó, Milán Magdics, Péter Salvi: Advances in the Visualization Framework for Vehicle Intelligence Simulations	8.00
Anna Barbara Ádám, László Kocsány, Emese Gincsiné Szádeczky-Kardoss: Cell decomposition based parking lot exploration	8.20
Jian Guo and Istvan Harmati: Reinforcement Learning for Traffic Signal Control in Decision Combination	8.40
László Kocsány, Anna Barbara Ádám, Emese Gincsiné Szádeczky-Kardoss: Voronoi diagram based parking lot exploration method	9.00

Deep learning (chairman: István Harmati)

Marton Szemenyei: Neural Graph Node Classification via Self-Attention	9.40
Bálint Szabó, Geoffrey Chase, Béla Paláncz, Ákos Szlávecz, Yahia Anane, Katalin Kovács, Balázs Benyó: Deep Neural Network Based Methods for Predicting Human Insulin Sensitivity in Tight Glycaemic Control	10.00
Károly Bence Póka, Szabolcs Hornyák, Márton Szemenyei: Controlled human face synthesis with Generative Adversarial Network	10.20
Marton Szemenyei, Patrik Reizinger: Simultaneous Cooperation and Competition in Reinforcement Learning	10.40
János Szóts, István Harmati: Data-driven Heuristic in a Pursuit-Evasion Game	11.00

Medical Imaging (chairman: Balázs Benyó)

László Szirmay-Kalos: On Higher Order Automatic Differentiation	11.40
Milán Magdics, László Szirmay-Kalos, Balázs Tóth, László Szécsi: Depth of Interaction Modeling for PET	12.00
Dóra Varnyú, László Szirmay-Kalos: Guided Filtering and Partial Volume Correction for Positron Emission Tomography	12.20
Gergely Ferenc Rácz, Ágota Kacsó, Márton Tóth: Dynamic PET Reconstruction from Sinogram Data using Neural Networks	12.40
Ádám Helybély, Balázs Moldoványi: Transforming Healthcare Simulation Training with the First Patient Communication Simulators	13.00

Computer Graphics and Virtual reality (chairman: Tamás Várady)

Péter Salvi: A multi-sided generalization of the C^0 Coons patch	13.40
Ágoston Sipos: A G^n rational spline with an algebraic distance field	14.00
Fridvalszky András, Tóth Balázs: Többmintás élsimítás alkalmazása deferred shading esetében	14.20
Viktória Burkus, Attila Kárpáti: On Rendering Metaballs with Fragment Lists	14.40
Kárpáti Attila, Viktória Burkus: Flow Simulation Controlled by Triangle Meshes	15.00

Embedded Systems and Control (chairwoman: Emese Szádeczky-Kardoss)

Salma Taik, Bálint Kiss: An energy saving method by controlling a thermostat in a household	15.40
Yahia Anane, Balázs Benyó, Ákos Szlávecz, J. Geoffrey Chase: Insulin Resistance In Intensive Care Patients Under Model-Based Glycemic Control	16.00
Zoltán Gyenes, Emese Gincsiné Szádeczky-Kardoss: Velocity selection for mobile robots using different strategies and probability	16.20
Péter Arató, György Rácz, Tibor Gergely Markovits, Balázs Olosz: Task decomposition algorithm for distributed railway interlocking	16.40
Polgár Tamás: Design of a variable temperature test chamber	17.00
Péter Arató, Tibor Gergely Markovits: Utilizing the spectral properties of the data flow graph in system level synthesis	17.20