Hochschulbibliographie

Name:
Informatik 6 - Lehrstuhl für Echtzeitsysteme und Robotik (Prof. Knoll)

Occurences:
- Hochschulbibliographie > 2018 > Fakultäten > Informatik
entries:

[1/61]: Buechel, Martin; Knoll, Alois, Deep Reinforcement Learning for Predictive Longitudinal Control of Automated Vehicles, 2018 21st International Conference on Intelligent Transportation Systems (ITSC), IEEE, 2018

[2/61]: Bernhard, Julian; Gieselmann, Robert; Esterle, Klemens; Knoll, Alois, Experience-Based Heuristic Search: Robust Motion Planning with Deep Q-Learning, 2018 21st International Conference on Intelligent Transportation Systems (ITSC), 2018

[3/61]: Obergfell, Philipp; Segler, Christoph; Sax, Eric; Knoll, Alois, Synchronization between Run-Time and Design-Time View of Context-Aware Automotive System Architectures, 2018 IEEE International Systems Engineering Symposium (ISSE), IEEE, 2018

[4/61]: Liang, Yunchang; Pfisterer, Jonas H. K.; McLaughlin, David; Csoklich, Christoph; Seidl, Lukas; Bandarenka, Alaksandr S.; Schneider, Oliver, Electrochemical Scanning Probe Microscopies in Electrocatalysis, Small Methods, 2018, 1800387

[5/61]: Seidl, Lukas; Asen, Ludwig; Yesilbas, Götug; Fischer, Pauline; Kühn, Fritz; Schneider, Oliver, (Invited) Ultrasound Application and Multi-Step Reactions in Electrodeposition of Refractory Metals, ECS Transactions, 2018, 86, 14, 3-19

[6/61]: Asen, Ludwig; Martens, Sladjana; Heiz, Ueli; Knoll, Alois C.; Schneider, Oliver, Electrodeposition of Pt and Gd from the Same Ionic Liquid, ECS Transactions, 2018, 86, 13, 475-487

[7/61]: Obergfell, Philipp; Orpana, Markus; Knoll, Alois, A Control Hierarchy Inspired by the Spinal Cord to Exploit Self-Organizing Motion Primitives for Purposeful Trajectory Generation, Proceedings of The 28th Annual Conference of the Japanese Neural Network Society, 2018

[8/61]: Patrick Hart; Alois Knoll, Kinodynamic Motion Planning Using Multi-Objective Optimization, 2018 IEEE Intelligent Vehicles Symposium (IV), 2018

[9/61]: Gulati, Dhiraj and Aravantinos, Vincent and Somani Nikhil and Knoll, Alois, Robust Vehicle Infrastructure Cooperative Localization in Presence of Clutter, 21st International Conference on Information Fusion (FUSION), 2018


[12/61]: Feldotto, Benedikt; Walter, Florian; Knoll, Alois, A Control Hierarchy Inspired by the Spinal Cord to Exploit Self-Organizing Motion Primitives for Purposeful Trajectory Generation, Proceedings of The 28th Annual Conference of the Japanese Neural Network Society, 2018

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[14/61]: Feldotto, Benedikt; Walter, Florian; Röhrbein, Florian; Knoll, Alois, Hebbian learning for online prediction, neural recall and classical conditioning of anthropomimetic robot arm motions, Bioinspiration & Biomimetics, 2018, 13, 6, 066009

[15/61]: Patrick Hart; Alois Knoll, Kinodynamic Motion Planning Using Multi-Objective Optimization, 2018 IEEE Intelligent Vehicles Symposium (IV), 2018

[16/61]: Gruber, Felix; Althoff, Matthias, Anytime Safety Verification of Autonomous Vehicles, 2018 21st International Conference on Intelligent Transportation Systems (ITSC), 2018


[18/61]: Estorle, Klemens; Hart, Patrick; Bernhard, Julian; Knoll, Alois, Spatiotemporal Motion Planning with Combinatorial Reasoning for Autonomous Driving, IEEE International Conference on Intelligent Transportation Systems, 2018
[21/61]: Zhu, A.; Manzinger, S.; Althoff, M., Evaluating Location Compliance Approaches for Automated Road Vehicles, Proc. of the IEEE Intelligent Vehicles Symposium, 2018

[22/61]: Althoff, M.; Lutz, S., Automatic Generation of Safety-Critical Test Scenarios for Collision Avoidance of Road Vehicles, Proc. of the IEEE Intelligent Vehicles Symposium, 2018


[26/61]: Schürmann, Bastian; Kochdumper, Niklas; Althoff, Matthias, Reachset Model Predictive Control for Disturbed Nonlinear Systems, Proc. of the 57th IEEE Conference on Decision and Control, 2018

[27/61]: Si, Huinan; Seidl, Lukas; Chu, Eileen Miao Ling; Martens, Slaiana; Ma, Jiwei; Qiu, Xinping; Stimming, Ulrich; Schneider, Oliver, Impact of the Morphology of V2O5 Electrodes on the Electrochemical Na+-Ion Intercalation, Journal of The Electrochemical Society, 2018, 165, 11, A2709-A2717

[28/61]: Xiebing Wang, Kai Huang, Long Chen and Alois Knoll, h2ECU: a high-performance and heterogeneous electronic control unit for automated driving, IEEE Micro, 2018

[29/61]: Xiebing Wang, Christopher Kiwus, Canhao Wu, Biao Hu, Kai Huang and Alois Knoll, Implementing and Parallelizing Real-time Lane Detection on Heterogeneous Platforms, IEEE 29th International Conference on Application-specific Systems, Architectures and Processors (ASAP), 2018

[30/61]: Zhou, Mingchuan; Cheng, Long; Dell'Antonio, Manuel; Wang, Xiebing; Bing, Zhenshan; Nasseri, M. Ali; Huang, Kai; Knoll, Alois, Peak Temperature Minimization for Hard Real-time Systems using DVS and DPM., Journal of Circuits, Systems and Computers, 2018


[32/61]: Sebastian Wagner; Korbinian Groh; Thomas Kühbeck; Michael Dörfel; Alois Knoll, Using Time-to-React based on Naturalistic Traffic Object Behavior for Scenario-Based Risk Assessment of Automated Driving, Proc. of the IEEE Intelligent Vehicles Symposium, IEEE, 2018

[33/61]: Matthias Althoff; Stefan Urban; Markus Koschi, Automatic Conversion of Road Networks from OpenDRIVE to Lanelets, Proc. of the IEEE International Conference on Service Operations and Logistics, and Informatics, 2018

[34/61]: Bing, Zhenshan; Meschede, Claus; Röhrbein, Florian; Huang, Kai; Knoll, Alois C., A Survey of Robotics Control Based on Learning-Inspired Spiking Neural Networks, Frontiers in Neurorobotics, 2018, 12


[37/61]: Zhou, Mingchuan; Jiang, Huanyu; Shi, Weian; Knoll, Alois, Design and Optimization of the Target Spray Platform., 2018 IEEE International Conference on Robotics and Automation(ICRA)-Workshop on Robotic Vision and Action in Agriculture, 2018

[38/61]: Zhou, Mingchuan; Ayad, Mohamad; Huang, Kai; Maier, Mathias; Lohmann, Chris P.; Lin, Haotian; Navab, Nasser; Knoll, Alois; Nasseri, M. Ali; Robot Learns Skills from Surgeon for Subretinal Injection., 2018 IEEE International Conference on Robotics and Automation(ICRA)- Workshop on Supervised Autonomy in Surgical Robotics, 2018

[39/61]: Zhou*, Mingchuan; Harad*, Mahdi; Weiss, Jakob; Eslami, Abouzar; Huang, Kai; Maier, Mathias; Lohmann, Chris P.; Navab, Nasser; Knoll, Alois; Nasseri, M. Ali, Towards Robotic Eye Surgery: Marker-free, Online Hand-eye Calibration using Optical Coherence Tomography Images, to be appear., IEEE Robotics and
[40/61]: Schneider, O., Size Dependent Electrocatalysis of Gold Nanoparticles, Encyclopedia of Interfacial Chemistry: Surface Science and Electrochemistry, Elsevier, 2018

[41/61]: Martens, Sladjana; Asen, Ludwig; Ercolano, Giorgio; Dionigi, Fabio; Zalitis, Chris; Hawkins, Alex; Martinez Bonastre, Alejandro; Seidl, Lukas; Knoll, Alois C.; Sharman, Jonathan; Strasser, Peter; Jones, Deborah; Schneider, Oliver, A comparison of rotating disc electrode, floating electrode technique and membrane electrode assembly measurements for catalyst testing, Journal of Power Sources, 2018, 392, 274-284

[42/61]: Cheng, Chih-Hong; Diehl, Frederik; Hinz, Gereon; Hamza, Yassine; Nührenberg, Georg; Rickert, Markus; Rueß, Harald; Truong-Le, Michael, Neural Networks for Safety-Critical Applications - Challenges, Experiments and Perspectives, Proceedings of the Design, Automation & Test in Europe Conference & Exhibition (DATE), 2018

[43/61]: Söntges, Sebastian; Koschi, Markus; Althoff, Matthias, Worst-case Analysis of the Time-To-React Using Reachable Sets, Proc. of the IEEE Intelligent Vehicles Symposium, 2018

[44/61]: Pfisterer, Jonas; Liang, Yunchang; Schneider, Oliver; Bandarenka, Aliaksandr, Katalytisch aktive Zentren direkt abgebildet, Physik in unserer Zeit, 2018, 49, 1, 6-7

[45/61]: Marzak, Philipp; Yun, Jeongsk; Dorsel, Albrecht; Kriele, Armin; Gilles, Ralph; Schneider, Oliver; Bandarenka, Aliaksandr S., Electrodeposited Na2Ni[Fe(CN)6] Thin-Film Cathodes Exposed to Simulated Aqueous Na-Ion Battery Conditions, The Journal of Physical Chemistry C, 2018, 122, 16, 8760-8768


[47/61]: Zhou, Mingchuan; Huang, Kai; Eslami, Abouzar; Roodaki, Hessam; Zapp, Daniel; Maier, Mathias; Lohmann, Chris P.; Knoll, Alois; Nasserri, M. Ali, Precision Needle Tip Localization using Optical Coherence Tomography Images for Subretinal Injection, to be appear., 2018 IEEE International Conference on Robotics and Automation(ICRA), 2018

[48/61]: Bing, Zhenshan; Meschede, Claus; Huang, Kai; Chen, Guang; Knoll, Alois; Todd, Michael; Althoff, Matthias, End to End Learning of Spiking Neural Network based on R-STDP for a Lane Keeping Vehicle, to be appear, 2018 IEEE International Conference on Robotics and Automation (ICRA), 2018


[50/61]: Rickert, Markus; Gaschler, Andre; Knoll, Alois, Applications in HHI: Physical Cooperation, Humanoid Robotics: A Reference, Goswami, Ambarish; Vadakkepat, Prahlad, Springer, 2018

[51/61]: Söntges, S.; Althoff, M., Computing the Drivable Area of Autonomous Road Vehicles in Dynamic Road Scenes, IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 6, 1855-1866


[56/61]: Lenz, David, Motion Planning for Highly-Automated Vehicles under Uncertainties and Interactions with Human Drivers, 2018, Dissertation


[58/61]: Martiniuc, Aurel Vasile, Computational Modelling and Information Processing within Neural Networks, 2018, Dissertation, 196 Seiten


[61/61]: Thürauf, Sabine, Accurate and Efficient Calibration of a Robotic C-Arm System Based on X-Ray Observations, 2018, Dissertation, 185 Seiten