Fakultät für Informatik

Name:
2012

Occurences:
· Einrichtungen > Fakultäten > Fakultät für Informatik > Lehrstühle der Informatik > Informatik 6 - Lehrstuhl für Echtzeitsysteme und Robotik (Prof. Knoll)
entries:


[2/101]: Lenz, Claus; Grimm, Markus; Röder, Thorsten; Knoll, Alois, Fusing multiple Kinects to survey shared Human-Robot-Workspaces, Munich, Germany, 2012


[7/101]: Artashes, Mkhitaryan; Burschka, Darius, Vision based haptic multisensor for manipulation of soft, fragile objects, IEEE SENSORS, 2012

[8/101]: Augustine, Marcus; Mair, Elmar; Stelzer, Annett; Ortmeyer, Frank; Suppa, Michael; Burschka, Darius, Landmark-Tree Map: a Biologically Inspired Topological Map for Long-Distance Robot Navigation, Proc. IEEE International Conference on Robotics and Biomimetics ROBIO 2012, 2012


[12/101]: Bayer, Justin; Osendorfer, Christian; Smagt, Patrick van der, Learning sequence neighbourhood metrics, International Conference on Artificial Neural Networks, 2012

[13/101]: Becker, Klaus; Buckl, Christian; Camek, Alexander; Falk, Reiner; Fiege, Ludger; Gessner, Juergen; Sommer, Stephan, SW-basierte Integration von neuen Fahrzeugfunktionen in zentralisierten Controllern, Automotive 2012 - Sicherheit und Zuverlässigkeit für automobile Informationstechnik, 2012

[14/101]: Bischoff, Bastian; Nguyen-Tuong, Duy; Streichert, Felix; Ewert, Marlon; Knoll, Alois, Fusing vision and odometry for accurate indoor robot localization, Proceedings of the International Conference on Control, Automation, Robotics and Vision (ICARCV 2012), 2012


[17/101]: Camek, Alexander; Buckl, Christian; Correia, Pedro S.; AloisKnoll, An Automotive Side-View System Based on Ethernet and IP, 26th International Conference on Advanced Information Networking and Applications Workshops (WAINA), 2012


[21/101]: Chakraborty, Samajjit; Lukasiewycz, Martin; Buckl, Christian; Fahmy, Suhaib; Chang, Naehyuck; Park, Sangyoung; Kim, Younghyun; Leteinturier, Patrick; Adikoferl, Hans, Embedded Systems and Software Challenges in Electric Vehicles, In Design, Automation and Test in Europe (DATE), 2012
[22/101]: Chen, Jian-Jia; Huang, Kai; Thiele, Lothar, Dynamic Frequency Scaling Schemes for Heterogeneous Clusters under Quality of Service Requirements, Journal of Information Science and Engineering, 2012, 28, 6, November, 1073--1090


[26/101]: Cheng, Chih-Hong; Geisinger, Michael; Ruess, Harald; Buckl, Christian; Knoll, Alois, Game Solving for Industrial Automation and Control, Proceedings of the IEEE International Conference on Robotics and Automation (ICRA'12), 2012

[27/101]: Ciechanowicz, David; Leucker, Martin; Sachenbacher, Martin, Okonomische Bewertung von Vehicle-to-Grid in Deutschland, Proceedings of the Multikonferenz Wirtschaftsinformatik (MKWI) 2012, GITO, 2012

[28/101]: Cordella, Francesca; Corato, Francesco Di; Zollo, Loredana; Siciliano, Bruno; Smagt, Patrick van der, Patient performance evaluation using kinect and Monte Carlo-based finger tracking, IEEE International Conference on Biomedical Robotics and Biomechanatics, 2012


[30/101]: Dias, Andre'e; Gorzelniak, Lukas; Jörres, Rudolf; Fischer, Rainald; Hartvigsen, Gunnar; Horsch, Alexander, Assessing physical activity in the daily life of cystic fibrosis patients, Pervasive and Mobile Computing, 2012, 8, 6, 837--844


[32/101]: Engel, Jakob; Holzer, Markus; Ruepp, Oliver; Sehnke, Frank, On Computer Integrated Rationalized Crossword Puzzle Manufacturing, 131--141, Fun with Algorithms, Kranakis, Evangelos; Krizanc, Danny; Luccio, Flaminia, Springer Berlin Heidelberg, 2012


[34/101]: Fligge, Nadine; McIntyre, Joe; Smagt, Patrick van der, Minimum jerk for human catching movements in 3D, Proc. IEEE International Conference on Biomedical Robotics and Biomechanatics, 2012


[36/101]: Gaschler, Andre; Huth, Kerstin; Giuliani, Manuel; Kessler, Ingrid; Ruiter, Jan de; Knoll, Alois, Modelling State of Interaction from Head Poses for Social Human-Robot Interaction, Proceedings of the Gaze in Human-Robot Interaction Workshop held at the 7th ACM/IEEE International Conference on Human-Robot Interaction (HRI 2012), 2012

[37/101]: Gaschler, Andre; Jentzsch, Sören; Giuliani, Manuel; Huth, Kerstin; Ruiter, Jan de; Knoll, Alois, Social Behavior Recognition Using Body Posture and Head Pose for Human-Robot Interaction, IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), 2012

[38/101]: Gierlach, Dominikus; Gustus, Agneta; Smagt, Patrick van der, Generating marker stars for 6D optical tracking, IEEE International Conference on Biomedical Robotics and Biomechanatics, 2012


[40/101]: Gorzelniak, Lukas; Dias, André'e; Schultz, Konrad; Wittmann, Michael; Karrasch, Stefan; Jörres, Rudolf A.; Horsch, Alexander, Comparison of Recording Positions of Physical Activity in Patients with Severe COPD
Undergoing LTOT, COPD: Journal of Chronic Obstructive Pulmonary Disease, 2012, 9, 5, 528--537


[42/101]: Han, Dongkun; Chesi, Graziano, Robust Discrete-time Consensus of Multi-agent systems with Uncertain Interaction, 2012 IEEE International Conference on Control Applications, 2012


[44/101]: Hatwig, Jens; Minnerup, Pascal; Zaehe, Michael F.; Reinhart, Gunther, An automated path planning system for a robot with a laser scanner for remote laser cutting and welding, Mechatronics and Automation (ICMA), 2012 International Conference on, 2012

[45/101]: Hochberg, Leigh R.; Bacher, Daniel; Jarosiewicz, Beata; Masse, Nicolas Y.; Simeral, John D.; Vogel, Joern; Haddadin, Sami; Liu, Jie; Cash, Sydney S.; Smagt, Patrick van der; Donoghue, John P., Reach and grasp by people with tetraplegia using a neurally controlled robotic arm, Nature, 2012, 485, 372--377

[46/101]: Huang, Jia; Blech, Jan Olaf; Raabe, Andreas; Knoll, Christian Buckland Alois, Static Scheduling of a Time-Triggered Network-on-Chip based on SMT Solving, Design, Automation and Test in Europe (DATE), 2012

[47/101]: Huang, Jia; Huang, Kai; Raabe, Andreas; Buckl, Christian; Knoll, Alois, Towards Fault-Tolerant Embedded Systems with Imperfect Fault Detection, 49th Design Automation Conference (DAC), 2012

[48/101]: Huang, Kai; Chen, Gang; Buckl, Christian; Knoll, Alois, Conforming the runtime inputs for hard real-time embedded systems, Proceedings of the 49th Design Automation Conference (DAC), 2012


[51/101]: Kainz, Gerd; Buckl, Christian; Knoll, Alois, A Generic Approach Simplifying Model-to-Model Transformation Chains, Model Driven Engineering Languages and Systems (MODELS 2012), Whittle, Jon; Clark, Tony; Kühne, Thomas, Springer Berlin / Heidelberg, 2012

[52/101]: Knoll, Alois; Mayer, Hermann; Staub, Christoph; Bauernschmitt, Robert, Selective automation and skill transfer in medical robotics: a demonstration surgical knot tying, The International Journal of Medical Robotics and Computer Assisted Surgery, 2012, 8, 384--397


[54/101]: Kranzfelder, Michael; Staub, Christoph; Fiolka, Adam; Schneider, Armin; Gillen, Sonja; Wilhelm, Dirk; Friess, Helmut; Knoll, Alois; Feussner, Hubertus, Toward increased autonomy in the surgical OR: needs, requests, and expectations, Surgical Endoscopy, 2012, 1--8

[55/101]: Kupperberg, Aleksandra; Huber, Markus; Helfer, Bartosz; Lenz, Claus; Knoll, Alois; Glasauer, Stefan, Moving Just Like You: Motor Interference Depends on Similar Motility of Agent and Observer, PLoS ONE, 2012, 7, 6, 39637

[56/101]: Marco, Daniel Di; Koch, Andreas; Zweigle, Oliver; Häussermann, Kai; Schiessle, Björn; Levi, Paul; Galvez-Lopez, Dorian; Riazaelo, Luis; Civera, Javier; Montiel, J. M. M.; Tenorh, Moritz; Perzylo, Alexander; Waibel, Markus; Molengraft, Marinus J. G. van de, Creating and Using RoboEarth Object Models, Proceedings of the IEEE International Conference on Robotics and Automation (ICRA), Video submission), 2012

[57/101]: Martiniuc, Aurel Vasile; Knoll, Alois, Interspike interval based filtering of directional selective retinal ganglion cells spike trains in rabbit retina, Journal of Computational Intelligence and Neuroscience, 2012, June

[58/101]: Martiniuc, Aurel Vasile; Saalfrank, Dirk; Difato, Francesco; Succol, Francesca; Nanni, Marina; Knoll, Alois; Ingebrandt, Sven; Assad, John; Blau, Axel, Tracking the evolution of neural network activity in uninterrupted long-term MEA recordings, 8th International Meeting on Substrate-Integrated Micro Electrode Arrays, Springer, 2012

[79/101]: Schwarz, Loren; Mkhitaryan, Artashes; Mateus, Diana; Navab, Nassir, Human Skeleton Tracking from Depth Data Using Geodesic Distances and Optical Flow, Image and Vision Computing, 2012

[80/101]: Shah, Hardik; Raabe, Andreas; Knoll, Alois, Dynamic Priority Queue: An SDRAM Arbiter with Bounded Access Latencies for Tight WCET Calculation, CoRR, 2012, 1207--1187

[81/101]: Shah, Hardik; Raabe, Andreas; Knoll, Alois, Bounding WCET of applications using SDRAM with Priority Based Budget Scheduling in MPSoCs, Design, Automation Test in Europe Conference Exhibition (DATE), 2012, 2012

[82/101]: Skrovseth, Stein Olav; Dias, Andre; Gorzelniak, Lukas; Godliebsen, Fred; Horsch, Alexander, Scale-space methods for live processing of sensor data, Studies in health technology and informatics, 2012, 180, 138--142

[83/101]: Sojer, Dominik; Buckl, Christian; Knoll, Alois, Deriving fault-detection mechanisms from safety requirements, Springer Computer Science - Research and Development, 2012


[85/101]: Sprunk, Nicole; Kaur, Manpreet; Bauernschmitt, Robert; Garcia, Alejandro Mendoza; Knoll, Alois, System design for simultaneous data acquisition from patient monitor and syringe pumps in intensive care unit, Biomedical Engineering and Sciences (IECBES), 2012 IEEE EMBS Conference on, 2012


[88/101]: Stoeck, Jakob; Mercep, Ljubo; Spiegelberg, Gernot; Knoll, Alois, Platform-independent interface for the management of sensor-generated power and data flows in an automotive data-centric architecture, 6. VDI/VDE Fachttagung USEWARE 2012 - Mensch-Maschine-Interaktion, 2012

[89/101]: Tenorth, Moritz; Perzylo, Alexander; Lefrenz, Reinhard; Beetz, Michael, The RoboEarth language: Representing and Exchanging Knowledge about Actions, Objects and Environments, Proceedings of the IEEE International Conference on Robotics and Automation (ICRA), Best Cognitive Robotics Paper Award, 2012


[91/101]: Tomic, Teodor; Schmid, Korbinian; Lutz, Philipp; Dömel, Andreas; Kassecker, Michael; Mair, Elmar; Grix, Iris L.; Ruess, Felix; Suppa, Michael; Burschka, Darius, Toward a Fully Autonomous UAV: Research Platform for Indoor and Outdoor Urban Search and Rescue, 2012, 19, 3, September

[92/101]: Vourdas, Nikolaos; Dalamagkidis, Konstantinos; Kostis, Ioannis; Vasilopoulou, Maria; Davazoglou, Dimitris, Omnidirectional antireflective properties of porous Tungsten Oxide films with in-depth variation of void fraction and stoichiometry, Optics Communications, 2012, 285, 24, 5229--5234

[93/101]: Weede, Oliver; Dittrich, Frank; Jensen, Brian; Knoll, Alois; Wilhelm, Dirk; Kranzfelder, Michael; Feussner, Hubertus; Schneider, Armin; Wöhr, Heinz, Workflow Analysis and Surgical Phase Recognition in Minimally Invasive Surgery, Robotics and Biomimetics (ROBIO), 2012 IEEE International Conference on, IEEE, 2012


[95/101]: Wittmeier, Steffen; Alessandro, Cristiano; Bascarevic, Nenad; Dalamagkidis, Konstantinos; Devereux, David; Diamond, Alan; Jäntsch, Michael; Jovanovic, Kosta; Knight, Rob; Marques, Hugo Gravato; Milosavljevic, Predrag; Mitra, Bhargav; Svetozarevic, Bratislav; Potkonjak, Veljko; Pfelner, Roland; Knoll, Alois; Holland, Owen, Toward anthropomimetic robotics: development, simulation, and control of a musculoskeletal torso, Artificial life, 2012, 19, 1, 171--193

[96/101]: Xu, Yadong; Aydt, Heiko; Lees, Michael, SEMSim : A Distributed Architecture for Multi-scale Traffic Simulation, 26th ACM/IEEE/SCS Workshop on Principles of Advanced and Distributed Simulation (PADS), IEEE, 2012
[97/101]: Zang, Xuelian; Brvsion; Drazon; Wang, Wei; Kühnlenz, Kolja, Temporal Attention Control System for Multiple Objects Tracking, the 31st Chinese Control Conference (CCC), 2012


[99/101]: Zhang, Feihu; Staehle, Hauke; Chen, Guang; Chen, Chao; Simon, Carsten; Buckl, Christian; Knoll, Alois; Schrott, Gerhard, A Sensor Fusion Approach for Localization with Cumulative Error Elimination, Proceedings of 2012 IEEE International Conference on Multisensor Fusion and Information Integration (MFI 2012), 2012


[101/101]: Zimmermann, Alexey Minin AND Alois Knoll AND Hans-Georg, Complex Valued Artificial Recurrent Neural Network as a Novel Approach to Model the Perceptual Binding Problem, European Symposium on Artificial Neural Networks (ESANN 2012), 2012