Fakultät für Informatik

Name: 2012

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


[2/100]: Lenz, Claus; Grimm, Markus; Röder, Thorsten; Knoll, Alois, Fusing multiple Kinects to survey shared Human-Robot-Workspaces, Munich, Germany, 2012


[7/100]: Artashes, Mkhitaryan; Burschka, Darius, Vision based haptic multisensor for manipulation of soft, fragile objects, IEEE SENSORS, 2012

[8/100]: Augustine, Marcus; Mair, Elmar; Stelzer, Annett; Ortmeier, 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


[12/100]: Bayer, Justin; Osendorfer, Christian; Smagt, Patrick van der, Learning sequence neigbourhood metrics, International Conference on Artificial Neural Networks, 2012

[13/100]: 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

[14/100]: 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


[16/100]: Buckl, Christian; Sojer, Dominik; Sommer, Stephan, Interoperabilitäts- und Quality-of-Service Plattformdienste am Beispiel der Domäne Fahrzeug, Agenda CPS - Integrierte Forschungsagenda Cyber-Physical Systems, Geisberger, Eva; Broy, Manfred; al, et, Springer, 2012

[17/100]: Camek, Alexander; Buckl, Christian; Correia, Pedro S.; AloisKnoll, An Automotive Side-View System Based on Ethernet and IP, 26th International Conference on Advanced Information Networkingand Applications Workshops (WAINA), 2012


[20/100]: Chakraborty, Samarjit; Lukasiewycz, Martin; Buckl, Christian; Fahmy, Suhail; Chang, Naehyuck; Park, Sangyoung; Kim, Younghyun; Leteinturier, Patrick; Adikoferi, Hans, Embedded Systems and Software Challenges in Electric Vehicles, In Design, Automation and Test in Europe (DATE), 2012

[21/100]: 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
[41/100]: Han, Dongkun; Chesi, Graziano, Robust Discrete-time Consensus of Multi-agent systems with Uncertain Interaction, 2012 IEEE International Conference on Control Applications, 2012


[43/100]: Hatwig, Jens; Minnerup, Pascal; Zaehe, Michael F.; Reinhardt, 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

[44/100]: 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

[45/100]: 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

[46/100]: Huang, Jia; Chen, Gang; Buckl, Christian; Knoll, Alois, Towards Fault-Tolerant Embedded Systems with Imperfect Fault Detection, 49th Design Automation Conference (DAC), 2012

[47/100]: 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


[50/100]: 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

[51/100]: 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


[53/100]: 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

[54/100]: Kupferberg, Aleksandra; Huber, Markus; Helfer, Bartosz; Lenz, Claus; Knoll, Alois; Glasauer, Stefan, Moving Just Like You: Motor Interdependence Depends on Similar Motility of Agent and Observer, PLoS ONE, 2012, 7, 6, 39637

[55/100]: Marco, Daniel Di; Koch, Andreas; Zweigle, Oliver; Häussermann, Kai; Schiessle, Björn; Levi, Paul; Galvez-Lopez, Dorian; Riazuelo, Luís; Civera, Javier; Montiel, J.M.M; Tenorth, 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

[56/100]: 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

[57/100]: 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


[59/100]: Mercep, Ljubo; Spiegelberg, Gernot; Knoll, Alois, Die App für das Management des Ladevorgangs im Innotruck, 6. VDI/VDE Fachtagung USEWARE 2012 - Mensch-Maschine-Interaktion, 2012
[60/100]: Mercep, Ljubo; Spiegelberg, Gernot; Knoll, Alois, Spielbasiertes Verfahren zur Fahrerzustandserkennung aus der Sidestick-Eingabe, 6. VDI/VDE Fachtagung USEWARE 2012 - Mensch-Maschine-Interaktion, 2012


[63/100]: Morel, Yannick; ljşpeert, Auke J.; Leonessa, Alexander, Indirect, Non-Adaptive Control of a Class of Nonlinear Uncertain Systems With Applications to Motion Control of Swimming Robots, Volume 2: Legged Locomotion; Mechatronic Systems; Mechatronics; Mechatronics for Aquatic Environments; MEMS Control; Model Predictive Control; Modeling and Model-Based Control of Advanced IC Engines, ASME, 2012


[66/100]: Müller, Matthias A.; Schürmann, Bastian; Allgöwer, Frank, Robust cooperative control of dynamically decoupled systems via distributed (MPC), Proc. of the IFAC Conference on Nonlinear Model Predictive Control, 2012

[67/100]: Nair, Suraj; Dean-Leon, Emmanual; Knoll, Alois, Real-time 3D multiple human tracking with robustness enhancement through machine learning, International Conference on Computer Vision Theory and Applications, 2012

[68/100]: Nasseri, M. Ali; Dean-Leon, Emmanuel; Nair, Suraj; Eder, Martin; Maier, Mathias; Lohmann, C. P.; Knoll, Alois, Clinical Motion Tracking and Motion Analysis during Ophthalmic Surgery using Electromagnetic Tracking System, Proceedings of the 5th International Conference on BioMedical Engineering and Informatics (BMEI 2012), IEEE Press, 2012

[69/100]: Otter, Martin AND Thiele, Bernhard AND Elmqvist, Hilding, A Library for Synchronous Control Systems in Modelica, 9*mathrm* Int. Modelica Conference, 2012


[72/100]: Perzylo, Alexander; Schiessle, Björn; Häussermann, Kai; Zweigle, Oliver; Levi, Paul; Knoll, Alois, Server-Sided Automatic Map Transformation in RoboEarth, Proceedings of Autonomous Mobile Systems (AMS), 2012

[73/100]: Petsch, Susanne; Burschka, Darius, Path Configuration for Abstractly Represented Tasks with Respect to Efficient Control, IEEE/RSJ International Conference on Intelligent Robots and Systems: Workshop Beyond Grasping - Modern Approaches for Dynamic Manipulation, 2012

[74/100]: Raabe, Andreas; Shah, Hardik; Hattendorf, Anton, Mehrkernsysteme für safety-kritische Echtzeitsysteme, Embedded Software Engineering Kongress, 2012


[76/100]: Rückstieß, Thomas; Osendorf, Christian; Smagt, Patrick van der, Minimizing Data Consumption in Sequential Classification, International Journal of Machine Learning and Cybernetics, 2012

[77/100]: Schmid, Korbinian; Ruess, Felix; Suppa, Michael; Burschka, Darius, State estimation for highly dynamic flying systems using key frame odometry with varying time delays, IEEE/RSJ International Conference on Intelligent Robots and Systems, 2012

[78/100]: 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
[79/100]: Shah, Hardik; Raabe, Andreas; Knoll, Alois, Dynamic Priority Queue: An SDRAM Arbiter with Bounded Access Latencies for Tight WCET Calculation, CoRR, 2012, 1207--1187

[80/100]: 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

[81/100]: Skrovseth, Stein Olav; Dias, Andre'e; Gorzelniak, Lukas; Godtliebsen, Fred; Horsch, Alexander, Scale-space methods for live processing of sensor data, Studies in health technology and informatics, 2012, 180, 138--142

[82/100]: Sojer, Dominik; Buckl, Christian; Knoll, Alois, Deriving fault-detection mechanisms from safety requirements, Springer Computer Science - Research and Development, 2012


[84/100]: 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 (IECBS), 2012 IEEE EMBS Conference on, 2012


[87/100]: 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 Fachtagung USEWARE 2012 - Mensch-Maschine-Interaktion, 2012

[88/100]: 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


[90/100]: Tomic, Teodor; Schmid, Korbinian; Lutz, Philipp; Dömel, Andreas; Kassecker, Michael; Mair, Elmar; Grixa, 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

[91/100]: Vourdas, Nikolaos; Dalamagkidis, Konstantinos; Kostis, Ioannis; Vasileiou, 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

[92/100]: Weede, Oliver; Dittrich, Frank; Jensen, Brian; Knoll, Alois; Wilhelm, Dirk; Kranzfelder, Michael; Feussner, Hubertus; Schneider, Armin; Wörm, Heinz, Workflow Analysis and Surgical Phase Recognition in Minimally Invasive Surgery, Robotics and Biomimetics (ROBIO), 2012 IEEE International Conference on, IEEE, 2012


[94/100]: Wittmeier, Steffen; Alessandro, Cristiano; Bascarevic, Nenad; Dalamagkidis, Konstantinos; Devereux, David; Diamond, Alan; Jantsch, Michael; Jovanovic, Kosta; Knight, Rob; Marques, Hugo Gravato; Milosavljevic, Predrag; Mitra, Bhargav; Svetozarevic, Bratislav; Potkonjak, Veljko; Pfeifer, Rolf; Knoll, Alois; Holland, Owen, Toward anthropomimetic robotics: development, simulation, and control of a musculoskeletal torso, Artificial life, 2012, 19, 1, 171--193

[95/100]: 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

[96/100]: Zang, Xuelian; Brvs'c, Drazon; Wang, Wei; Kühnlenz, Kolja, Temporal Attention Control System for Multiple Objects Tracking, the 31st Chinese Control Conference (CCC), 2012
[97/100]: Zhang, Feihu; Chen, Guang; Staehle, Hauke; Buckl, Christian; Knoll, Alois, Visual Odometry based on Random Finite Set Statistics in Urban Environment, Intelligent Vehicles Symposium (IV), 2012 IEEE, 2012

[98/100]: 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


[100/100]: 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