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, Suhaib; Chang, Naehyuck; Park, Sangyoung; Kim, Younghyun; Leteinturier, Patrick; Adikoleri, 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


[25/100]: 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

[26/100]: Ciechanowicz, David; Leucker, Martin; Sachenbacher, Martin, Ökonomische Bewertung von Vehicle-to-Grid in Deutschland, Proceedings of the Multikonferenz Wirtschaftsinformatik (MKWI) 2012, GiTo, 2012

[27/100]: 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 Biomechatronics, 2012


[29/100]: Dias, And're; 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


[31/100]: Engel, Jakob; Holzer, Markus; Ruepp, Oliver; Sehneke, Frank, On Computer Integrated Rationalized Crossword Puzzle Manufacturing, 131--141, Fun with Algorithms, Kranakis, Evangelos; Krizanc, Danny; Luccio, Flaminia, Springer Berlin Heidelberg, 2012

[32/100]: Fligge, N.; Urbanek, H.; Smagt, P. Van der, Relation between object properties and EMG during reaching to grasp, Journal of Electromyography and Kinesiology, 2012, November, 1050--6411

[33/100]: Fligge, Nadine; McIntyre, Joe; Smagt, Patrick van der, Minimum jerk for human catching movements in 3D, Proc. IEEE International Conference on Biomedical Robotics and Biomechatronics, 2012

[34/100]: Foster, Mary Ellen; Gaschler, Andre; Giuliani, Manuel; Isard, Amy; Pateraki, Maria; Petrick, Ronald P. A., Two People Walk Into a Bar: Dynamic Multi-Party Social Interaction with a Robot Agent, Proceedings of the 14th ACM International Conference on Multimodal Interaction on MultiModal Interaction (ICMI 2012), 2012

[35/100]: Gaschler, Andre; Huth, Kerstin; Giuliani, Manuel; Kessler, Ingmar; 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

[36/100]: 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

[37/100]: Gierlach, Dominikus; Gustus, Agneta; Smagt, Patrick van der, Generating marker stars for 6D optical tracking, IEEE International Conference on Biomedical Robotics and Biomechatronics, 2012

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[39/100]: Gorzelniak, Lukas; Dias, And're; 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

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[43/100]: 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

[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; Huang, Kai; Raabe, Andreas; 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

[48/100]: Huang, Kai; Chen, Gang; Keddis, Nadine; Geisinger, Michael; Buckl, Christian, Demo Abstract: An Inverted Pendulum Demonstrator for Timed Model-Based Design of Embedded Systems, 2012 IEEE/ACM Third International Conference on Cyber-Physical Systems (IC CPS), 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 on 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

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[55/100]: Marco, Daniel Di; Koch, Andreas; Zweigle, Oliver; Häussermann, Kai; Schiessle, Björn; Levi, Paul; Galvez-Lopez, Dorian; Riazuelo, Luis; 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; Ijspeert, 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, 9th Int. Modelica Conference, 2012


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[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, Ar Whredsh; 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, André; 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


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[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; 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

[92/100]: Weede, Oliver; Dittrich, Frank; Jensen, Brian; Knoll, Alois; Wilhelm, Dirk; Kranzfelder, Michael; Feusssner, 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


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[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