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Publikationen
Anfahrt
Kontakt
Laborpraktikum
Lehrangebot
Highlights
Projekte

Forschungsgebiete - Dissertation

- Untersuchung des Einsatzes von Web Service-Technologien in Automatisierungsnetzwerken

Projekte

- Polleon
- Webservices for Devices als Integrationsplattform für intelligente Dienste der Gebäudetechnik (BBSR)
- Offene Schnittstellen im Smart Home unter Verwendung semantischer Plug&Play-Technologien (BBSR)

Lehrveranstaltungen

- Praktikum: Assemblerprogrammierung von Mikrocontrollern
- Praktikum: VLSI-Technik
- Praktikum: Softwaretechnik
- Seminar: Advanced VLSI Design
- Seminar: Digitale Systeme
- Seminar: Selected Topics in VLSI Design

Publikationen

Arne Wall, Vlado Altmann, Johannes Müller, Hannes Raddatz, Dirk Timmermann:
Decentralized Configuration of Embedded Web Services for Smart Home Applications
In Proceedings of 11th Annual IEEE International Systems Conference (SYSCON), Montreal, Quebec, Kanada, April 2017

Vlado Altmann, Björn Butzin, Robert Balla, Frank Golatowski, Dirk Timmermann:
A BACnet Gateway for Embedded Web Services
In Proceedings of the 20th IEEE International Conference on Emerging Technology and Factory Automation (ETFA), pp. 1-6, ISBN: 978-1-4673-7929-8, Luxemburg, Luxemburg, September 2015

Peter Danielis, Jan Skodzik, Vlado Altmann, Frank Golatowski, Dirk Timmermann:
DuDE-Cloud: A Resilient High Performance Cloud
In Proceedings of 9th International Workshop on Service-Oriented Cyber-Physical Systems in Converging Networked Environments (SOCNE) at 20th IEEE International Conference on Emerging Technologies and Factory Automation (ETFA'2015), pp. 28-34, ISBN: 978-1-4673-7929-8/15, Luxemburg, Luxemburg, September 2015

Peter Danielis, Vlado Altmann, Jan Skodzik, Eike Bjoern Schweissguth, Frank Golatowski, Dirk Timmermann:
Emulation of SDN-Supported Automation Networks
In Proceedings of the 20th IEEE International Conference on Emerging Technologies and Factory Automation (ETFA 2015), pp. 1-8, ISBN: 978-1-4673-7929-8/15, Luxemburg, Luxemburg, September 2015

Peter Danielis, Vlado Altmann, Jan Skodzik, Tim Wegner, Achim Koerner, Dirk Timmermann: **P-DONAS: A P2P-based Domain Name System in Access Networks**, ACM Trans. Internet Technol., New York, NY, USA, Juli 2015

Peter Danielis, Jan Skodzik, Vlado Altmann, Benjamin Kappel, Dirk Timmermann:
Extensive Analysis of the Kad-based Distributed Computing System DuDE
In Proceedings of the IEEE Symposium on Computers and Communications (ISCC 2015), Larnaka, Zypern, Juli 2015

Henning Puttnies, Vlado Altmann, Frank Golatowski, Dirk Timmermann:
Cost-efficient universal Approach for Remote Meter Reading Using Web Services and Computer Vision
4nd IEEE WoWMoM Workshop on the Internet of Things: Smart Objects and Services (IoT-SoS), Boston, Massachusetts, USA, Juni 2015

Jan Skodzik, Peter Danielis, Vlado Altmann, Eike Björn Schweißguth, Dirk Timmermann:
PSP-Auto: An DHT-based Storage and Retrieve System for Automation Scenarios
9th Annual IEEE International Systems Conference (IEEE SysCon), pp. 853-858, ISBN: 978-1-4799-5927-3, Vancouver, Kanada, April 2015

Jan Skodzik, Peter Danielis, Vlado Altmann, Björn Konieczek, Eike Björn Schweißguth, Frank Golatowski, Dirk Timmermann:
CoHaRT: Deterministic Transmission of Large Data Amounts using CoAP and Kad
IEEE International Conference on Industrial Technology 2015 (IEEE ICIT), pp. 1851-1856, ISBN: 978-1-4799-7799-4, Sevilla, Spanien, März 2015

Peter Danielis, Jan Skodzik, Vlado Altmann, Lennard Lender, Dirk Timmermann:
Dynamic Search Tolerance at Runtime for Lookup Determinism in the DHT-based P2P Network Kad IEEE Consumer Communications & Networking Conference (CCNC), pp. 357-362, ISBN: 978-1-4799-6389-8, Las Vegas, USA, Januar 2015

Peter Danielis, Jan Skodzik, Vlado Altmann, Eike Björn Schweissguth, Frank Golatowski, Dirk Timmermann, Jörg Schacht:
Survey on Real-Time Communication Via Ethernet in Industrial Automation Environments
19th IEEE International Conference on Emerging Technologies and Factory Automation (ETFA'2014), pp. 1-8, ISBN: 978-1-4799-4846-8, Barcelona, Spanien, September 2014

Jan Skodzik, Vlado Altmann, Peter Danielis, Moritz Koal, Dirk Timmermann:
An Optimized WS-Eventing for Large-Scale Networks
8th International Workshop on Service-Oriented Cyber-Physical Systems in Converging Networked Environments (SOCNE), pp. 1-6, ISBN: 978-1-4799-4846-8, Barcelona, Spanien, September 2014

Vlado Altmann, Jan Skodzik, Peter Danielis, Johannes Müller, Frank Golatowski, Dirk Timmermann:
A DHT-based Scalable Approach for Device and Service Discovery
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Vlado Altmann, Hendrik Bohn, Frank Golatowski:
Web Services for Embedded Devices
The Industrial Communication Technology Handbook 2nd Edition, CRC Press, Boca Raton, Florida, USA, Juli 2014

Vlado Altmann, Jan Skodzik, Peter Danielis, Frank Golatowski, Dirk Timmermann:
Real-Time Capable Hardware-based Parser for Efficient XML Interchange
9th IEEE/IET International Symposium on Communication Systems, Networks and Digital Signal Processing (CSNDSP14), pp. 415-420, ISBN: 978-1-4799-2581-0, Manchester, UK, Juli 2014

Jan Skodzik, Vlado Altmann, Peter Danielis, Arne Wall, Dirk Timmermann:
A Kad Prototype for Time Synchronization in Real-Time Automation Scenarios
World Telecommunications Congress 2014, pp. 1-6, ISBN: 978-3-8007-3602-7, Berlin, Deutschland, Juni 2014

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Jan Skodzik, Vlado Altmann, Benjamin Wagner, Peter Danielis, Dirk Timmermann:
A Highly Integrable FPGA-Based Runtime-Configurable Multilayer Perceptron
27th IEEE International Conference on Advanced Information Networking and Applications (AINA-2013), pp. 429-436, ISSN:1550-445X, DOI: 10.1109/AINA.2013.19, ISBN: 978-1-4673-5550-6, Barcelona, Spanien, März 2013

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Investigation of the Use of Embedded Web Services in Smart Metering Applications
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