

LISHA Weekly Colloquium

Upcoming Events

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Template:

- [Review](#) of AUTHOR {AUTHOR_INSTITUTION}, [PAPER TITLE](#), In: NAME OF CONFERENCE OR JOURNAL (ACRONYM AND YEAR), pages XX-YY by PRESENTER_NAME.

August 29th, 2018 (12:30) - Florianopolis Campus

- [Review](#) of Rodrigues, L.M.; Leão, E.; Montez, C.; Moraes, R.; Portugal, P.; Vasques, F. [An Advanced Battery Model for WSN Simulation in Environments with Temperature Variations](#). Institute of Electrical and Electronics Engineers (IEEE) Sensors Journal, 2018. by Leonardo M. Rodrigues.

August 15th, 2018 (12:30) - Florianopolis Campus

- [Review](#) of RICHA, C. H.; FROHLICH, A. A.; GRACIOLI, G. [Space-Time Derivative-Based Prediction: A Novel Trickling Mechanism for WSN](#). VII Brazilian Symposium on Computing Systems Engineering (SBESC, 2017). by [Cesar Huegel](#)

August 8th, 2018 (12:30) - Florianopolis Campus

- [Review](#) of [ISORC 2018](#), AMARASINGHE, G.; DE ASSUNCAO, M. D.; HARWOOD, A.; KARUNASEKERA, S. [A Data Stream Processing Optimisation Framework for Edge Computing Applications](#), GOLOMB, D.; GANGADHARAN, D.; CHEN, S.; SOKOLSKY, O.; LEE, I. [Data Freshness Over-Engineering: Formulation and Results](#), MACHADO, C.; FROHLICH, A. A. M. [IoT Data Integrity Verification for Cyber-Physical Systems Using Blockchain](#), Institute of Electrical and Electronics Engineers (IEEE) ISORC, 2018. by [Caciano Machado](#)
- [Review](#) HOFFMANN, J. L. C.; HORSTMANN, L. P. [Multi-Core Real-Time Performance Monitoring with EPOS](#). by [Jose Hoffmann](#), [Leonardo Horstmann](#)

October 25th, 2016 (12:30) - Joinville Campus

- [Review](#) of ROBERT I. DAVIS and ALAN BURNS. [A Survey of Hard Real-Time Scheduling for Multiprocessor Systems](#). ACM Computing Surveys (CSUR 2011), Vol. 43, No. 4, Article 35 by [Breno Castro Cardoso](#)
- [Review](#) of MAC, Thi Thoa et al. [AR.Drone UAV control parameters tuning based on particle swarm optimization algorithm](#), 2016 IEEE International Conference On Automation, Quality And Testing, Robotics (aqtr), maio 2016. Institute of Electrical and Electronics Engineers (IEEE). by [Saely Sgarbossa Mafessoni](#)

September 27th, 2016 (12:30) - Joinville Campus

- [Review](#) of ROBERT I. DAVIS and ALAN BURNS. [A Survey of Hard Real-Time Scheduling for Multiprocessor Systems](#). ACM Computing Surveys (CSUR 2011), Vol. 43, No. 4, Article 35 by [Breno Castro Cardoso](#)
- [Review](#) of XUE, Xinyu et al. [Develop an unmanned aerial vehicle based automatic aerial spraying system](#). Computers And Electronics In Agriculture, s.l., v. 128, p.58-66, out. 2016. Elsevier BV. by [Saely Sgarbossa Mafessoni](#)

August 22nd, 2016 (13:00) - Florianopolis Campus

- [Review](#) of Rodolfo Pellizzoni and Marco Caccamo {University of Illinois at Urbana-Champaign}, [Impact of Peripheral-Processor Interference on WCET Analysis of Real-Time Embedded Systems](#), In: IEEE Transactions on Computers, volume 59, issue 3 by [João Gabriel Reis](#).

August 15th, 2016 (13:00) - Florianopolis Campus

- Technical report: ARMv7-M re-entrant interrupt handling support on EPOS 2, by [Davi Resner](#)
- [Review](#) of Young-Sin Cho, Eun-Ju Choi, and Kyoung-Rok Cho {Chungbuk National University, Rep. of Korea}, [Modeling and analysis of the system bus latency on the SoC platform](#), In: Proceedings of the 2006 international workshop on System-level interconnect prediction (SLIP06) by [João Gabriel Reis](#).
- [Review](#) of Yibin Li and Zhiping Jia and Shuai Xie and Fucai Liu {Shandong University, China}, [Dynamically Reconfigurable Hardware With a Novel Scheduling Strategy in Energy-Harvesting Sensor Networks](#), In: IEEE Sensors Journal, pages 2032 - 2038 by [João Gabriel Reis](#).

August 8th, 2016 (13:00) - Florianopolis Campus

- [Review](#) of Daniel Münch-1, Michael Paulitsch-1, Oliver Hanka-1, Andreas Herkersdorf-2 {1-Airbus Group Innovations, Munich, Germany; 2-TU München Institute for Integrated Systems}, [MPIOV: Scaling Hardware-based I/O Virtualization for Mixed-criticality Embedded Real-time Systems Using Non Transparent Bridges to \(Multi-core\) Multi-processor Systems](#), In: Proceedings of the 2015 Design, Automation & Test in Europe Conference & Exhibition (DATE 2015), pages 579-584 by [Mateus Ludwig](#).

August 1st, 2016 (13:00) - Florianopolis Campus

- [Review](#) of Sathish Gopalakrishnan, Lui Sha, Marco Caccamo {Department of Computer Science University of Illinois at Urbana-Champaign}, [Hard Real-Time Communication in Bus-Based Networks](#), In: Proceedings of the 25th IEEE International Real-Time Systems Symposium (RTSS 2004), pages 405-414 by [Mateus Ludwig](#).
- [Review](#) of Wanglei and P. Shao "Intelligent control in smart home based on adaptive neuro fuzzy inference system", Chinese Automation Congress (CAC), 2015. By [Rodrigo Meurer](#).
- [Review](#) of Lucas Wanner and Mani Srivastava "ViRUS: Virtual Function Replacement Under Stress", HotPower'14 Proceedings of the 6th USENIX conference on Power-Aware Computing and Systems. By [João Gabriel Reis](#).

July 25th, 2016 (13:00) - Florianopolis Campus

- [Review](#) of Cemin, D., Götz, M. and Pereira, C.E {UFRGS}, [Dynamically reconfigurable hardware/software mobile agents](#), In: Springer Design Automation for Embedded Systems (JDAES 2013), pages 39-60 by [João Gabriel Reis](#).
- [Review](#) of Sungchan Kim, Chaeseok Im, and Soonhoi Ha {Member, IEEE}, [Schedule-Aware Performance Estimation of Communication Architecture for Efficient Design Space Exploration](#), In: IEEE Transactions On Very Large Scale Integration (VLSI 2005), pages 539-552 by [Mateus Ludwig](#).
- [Review](#) of Andrew J. Reagan, Lewis Mitchell, Dilan Kiley, Christopher M. Danforth, Peter Sheridan Dodds, [The emotional arcs of stories are dominated by six basic shapes](#), In: CoRR, 2016 by [Davi Resner](#).

July 18th, 2016 (13:00) - Florianopolis Campus

- [Review](#) of Cheng-Chun Tu, Michael Ferdman, Chao-tung Lee, Tzi-cker Chiueh {1- Oracle Labs, 2- Stony Brook University, 3,4- Industrial Technology Research Institute Taiwan}, [A Comprehensive Implementation and Evaluation of Direct Interrupt Delivery](#), In: Proceedings of the 11th ACM SIGPLAN/SIGOPS International Conference on Virtual Execution Environments (VEE 2015), pages 1-15 by [Mateus Ludwig](#).

July 11st, 2016 (13:00) - Florianopolis Campus

- [Review](#) of Moshe Malka, Nadav Amit, Muli Ben-Yehuda, and Dan Tsafirir {Technion - Israel Institute of Technology}, [rIOMMU: Efficient IOMMU for I/O Devices that Employ Ring Buffers](#), In: Proceedings of the Twentieth International Conference on Architectural Support for Programming Languages and Operating Systems (ASPLOS 2015), pages 355-368 by [Mateus Ludwig](#).

Upcoming

- July 6th, 2016 - 12h30 - 13h20 - Joinville Campus

June 22nd, 2016 (12:30) - Joinville Campus

- [Review](#) of B. Brandenburg and M. Gül, [Global Scheduling Not Required: Simple, Near-Optimal Multiprocessor Real-Time Scheduling with Semi-Partitioned Reservations](#), preprint. By [Lucas Camargo](#).
- [Review](#) of D. S. Santos , C. L. Nascimento Jr and W. Chiepa Cunha. [Autonomous Navigation of a Small Boat Using IMU/GPS/Digital Compass Integration](#). Systems Conference (SysCon), 2013 IEEE International.. By [Guilherme Augusto Pangratz](#).

June 13th, 2016 (12:50) - Florianopolis Campus

- Preview of Masters' Qualify presentation, by [Davi Resner](#).

June 6th, 2016 (13:00) - Florianopolis Campus

- EPOSMotell's implementation of USB 2.0 overview, by [Davi Resner](#).

May 16th, 2016 (13:00) - Florianopolis Campus

- [Review](#) of Colin Dixon, IBM Research; Ratul Mahajan, Sharad Agarwal, A.J. Brush, Bongshin Lee, Stefan Saroiu, and Paramvir Bahl, Microsoft Research , ["An Operating System for the Home"](#), Presented as part of the 9th USENIX Symposium on Networked Systems Design and Implementation (NSDI 12) by [Davi Resner](#).

May 9th, 2016 (13:00) - Florianopolis Campus

- [Review](#) Jonghwa Choi, Dongkyoo Shin and Dongil Shin ["Research and Implementation of the Context-Aware Middleware for Controlling Home Appliances"](#), IEEE Transactions on Consumer Electronics, vol. 51, no. 1, pp. 301-306, Feb. 2005. By [Rodrigo Meurer](#).

May 4th, 2016 (12:30) - Joinville Campus

- [Review](#) of A. Burns and A. J. Wellings. [A Schedulability Compatible Multiprocessor Resource Sharing Protocol — MrsP](#). 2013 25th Euromicro Conference on Real-Time Systems, Paris, 2013, pp. 282-291. By [Lucas Camargo](#).
- [Review](#) of S. Lange , N. Sunderhauf and P. Protzel. [A vision based onboard approach for landing and position control of an autonomous multirotor UAV in GPS-denied environments](#). Advanced Robotics (ICAR), 2009, International Conference on, Munich, 2009. By [Guilherme Augusto Pangratz](#).

April 25th, 2015 (13:00) - Florianopolis Campus

- [Review](#) T. Kovácsházy, G. Wacha, T. Dabóczy, C. Erdős and A. Szarvas ["System architecture for Internet of Things with the extensive use of embedded virtualization,"](#) in Cognitive Infocommunications (CogInfoCom), 2013 IEEE 4th International Conference on, Budapest, 2013, pp. 549-554. By [Rodrigo Meurer](#).

- [Review](#) of S. Liu, K. W. Fan and P. Sinha, "CMAC: An Energy Efficient MAC Layer Protocol Using Convergent Packet Forwarding for Wireless Sensor Networks" 2007 4th Annual IEEE Communications Society Conference on Sensor, Mesh and Ad Hoc Communications and Networks, San Diego, CA, 2007, pp. 11-20. doi: 10.1109/SAHCN.2007.4292813 by [Davi Resner](#).

April 6th, 2016 (12:30) - Joinville Campus

- [Review](#) of A. Biondi, G. C. Buttazzo and M. Bertogna. [Supporting Component-Based Development in Partitioned Multiprocessor Real-Time Systems](#). Real-Time Systems (ECRTS), 2015 27th Euromicro Conference on, Lund, 2015, pp. 269-280. By [Lucas Camargo](#).

March 28th, 2016 (13:00) - Florianopolis Campus

- [Review](#) Vincent Legout and Matthieu Lemerre "Paravirtualizing Linux in a real-time hypervisor," in SIGBED Rev. 9, 2 (June 2012), 33-37. By [Rodrigo Meurer](#).

March 21th, 2016 (13:00) - Florianopolis Campus

- [Review](#) A. Aguiar and F. Hessel "Embedded Systems' Virtualization: The Next Challenge?," in Rapid System Prototyping (RSP), 2010 21st IEEE International Symposium on, Fairfax, VA, 2010, pp. 1-7.. By [Rodrigo Meurer](#).

December 14th, 2015 (12:30) - Joinville Campus

- [Review](#) Mancuso, R.; Pellizzoni, R.; Caccamo, M.; Lui Sha; Heechul Yun, "WCET(m) Estimation in Multi-core Systems Using Single Core Equivalence," in Real-Time Systems (ECRTS), 2015 27th Euromicro Conference on , vol., no., pp.174-183, 8-10 July 2015. By [Elói Giacobbo](#).
- [Review](#) Ignat, N. et al. {Ecole Polytechnique de Montréal, P.O. Box 6079, Station Centre-Ville, Montréal, Canada}; [Sensitivity of Real-Time Operating Systems to Transient Faults: A case study for MicroC kernel](#); In: IEEE Radiation and its Effects on Components and Systems, Cap de Agde, France, Sept. 19-23, 2005. Pages 1-6.; by [Lucas Matheus](#).

November 16th, 2015 (13:00) - Florianópolis Campus

- [Experiment Presentation](#) Adapting the Linux Kernel to HyperEPOS, by [Rodrigo Meurer](#).

October 23th, 2015 (12:30) - Joinville Campus

- [Review](#) Ignat, N. et al. {Ecole Polytechnique de Montréal, P.O. Box 6079, Station Centre-Ville, Montréal, Canada}; [Soft-Error Classification and Impact Analysis on Real-Time Operating Systems](#); In: Design, Automation and Test in Europe, 2006. DATE '06. 2006 Proceedings on International Conference. Pages 1-6. 6-10 March 2006.; by [Lucas Matheus](#).
- [Review](#) Yun, Heechul; Yao, Gang; Wu, Zheng Pei; Pellizzoni, R.; Caccamo, M.; Sha, Lui; [Schedulability Analysis for Memory Bandwidth Regulated Multicore Real-Time Systems](#), IEEE Transactions on Computers, 2015, Volume PP, Issue 99, pages 1, 23 April 2015; by [Elói Giacobbo](#).

October 05th, 2015 (12:30) - Joinville Campus

- [Review](#) Hamilton, S.N. et al. {Department of Computer Science and Engineering University of California, San Diego, La Jolla, CA 92093-0114}; [Synthesis of critical ASICs with embedded fully concurrent fault resilience](#); In: Circuits and Systems, 1998. ISCAS '98. Proceedings of the 1998 IEEE International Symposium on. IEEE, 1998. Pages 189-192. 31 May 1998-03 Jun 1998; by [Lucas Matheus](#).
- [Review](#) of Giannopoulou, G. et al. {Computer Engineering and Networks Laboratory, ETH Zurich,

8092 Zurich, Switzerland}; [Scheduling of Mixed-Criticality Applications on Resource-Sharing Multicore Systems](#); In: Embedded Software (EMSOFT), 2013 Proceedings of the International Conference on; pages 1-15, Sept. 29-Oct. 4 2013; by [Eloi Giacobbo](#).

- [Review](#) of Panchamukhi, S A; Mueller, F; [Providing Task Isolation via TLB Coloring](#); In: Real-Time and Embedded Technology and Applications Symposium (RTAS), 2015 IEEE, pages 3-13, 13-16 April 2015; by [Lucas Camargo](#).

September 10th, 2015 (12:30) - Joinville Campus

- [Review](#) of Leme, Nelson G. M.; Martins, Eliane; Rubira, Cecília M. F. {State University of Campinas, Campinas, Brazil}, [“A Software Fault Injection Pattern System”](#). Proceedings of the IX Brazilian Symposium on Fault-Tolerant Computing. Florianópolis, SC, Brazil, March 5 th -7 th , 2001, pages 99-113.; by [Lucas Matheus](#).
- [Review](#) of Inam, R; Mahmud, N; Behnam, M; Nolte, T; & Sjodin, M. {Mälardalen Real-Time Research Centre, Mälardalen University, Västerås, Sweden}, [The Multi-Resource Server for Predictable Execution on Multi-core Platforms](#), In: Real-Time and Embedded Technology and Applications Symposium (RTAS), 2014 IEEE 20th Conference, pages 263-274, 15-17 April 2014; by [Eloi Giacobbo](#).
- [Review](#) of Krämer, S; Mottok, J; Racek, S. [Proportionate Fair based Multicore Scheduling for Fault Tolerant Multicore Real-Time Systems](#), Electrical and Information Technologies (ICEIT), 2015 International Conference, pages 88 - 93, 25-27 March 2015; by [Lucas Camargo](#).

August 17th, 2015 (13:00) - Florianópolis Campus

- [Review](#) of Authors omitted for blind review, *Performance Evaluation of CMSIS-RTOS - Benchmarks and Comparison* (to appear), (2015), by [Mateus Krepsky Ludwig](#).

June 22th, 2015 (12:30) - Joinville Campus

- [Review](#) of Kim, Hyoseung; Niz, Dionisio; Andersson, Bjorn; Klein, Mark; Mutlu, Onur; Rajkumar, Ragunathan {Carnegie Mellon University, Pittsburgh, PA, USA}, [Bounding Memory Interference Delay in COTS-based Multi-Core Systems](#), In: Real-Time and Embedded Technology and Applications Symposium (RTAS), 2014 IEEE 20th Conference, by [Eloi Giacobbo](#).

June 08th, 2015 (12:30) - Joinville Campus

- [Review](#) of Maria-Eugenia Iacob, Maarten W. A. Steen, Lex Heerink, Reusable Model Transformation Patterns, 1 - 10 pages, by Igor

June 08th, 2015 (12:00) - Florianópolis Campus

- [Review](#) of Thomas Schmid , Prabal Dutta , Mani B. Srivastava, [High-Resolution, Low-Power Time Synchronization an Oxymoron No More](#), In: Proceedings of the 9th ACM/IEEE International Conference on Information Processing in Sensor Networks (IPSN) (2010), pages 151-161 by [Davi Resner](#).

May 25th, 2015 (12:30) - Joinville Campus

- [Review](#) of Athreya, A.P. ; Tague, P. {Carnegie Mellon University}, [Network Self-Organization in the Internet of Things](#), In: Internet-of-Things Networking and Control (IoT-NC), 2013 IEEE International Workshop, pages 25 - 33; by [Fábio Meurer](#).

May 11th, 2015 (12:30) - Joinville Campus

- [Review](#): by Igor

May 04th, 2015 (12:30) - Joinville Campus

- [Review](#) of Calandrino, J. M; Anderson, J. H {Dept. of Comput. Sci., Univ. of North Carolina}, [Cache-Aware Real-Time Scheduling on Multicore Platforms: Heuristics and a Case Study](#), In: Real-Time Systems, 2008. ECRTS '08. Euromicro Conference on, pages 299 - 308, 2-4 July 2008; by [Eloi Giacobbo](#).

April 13th, 2015 (12:30) - Joinville Campus

- [Review](#) of Frohlich, A.A. ; Massayuki Okazaki, A. ; Vieira Steiner, R. ; Oliveira, P. ; Everson Martina, J. {Federal University of Santa Catarina}, [A cross-layer approach to trustfulness in the Internet of Things](#), In: Object/Component/Service-Oriented Real-Time Distributed Computing (ISORC), 2013 IEEE 16th International Symposium, pages 1 - 8; by [Fábio Meurer](#).

April 06th, 2015 (13:00) - Florianópolis Campus

- [Review](#) of Santanu Sarma, Nikil Dutt, FPGA emulation and prototyping of a cyberphysical-system-on-chip (CPSoC), In: Rapid System Prototyping (RSP), 2014 25th IEEE International Symposium on, pages 121-127; by [João Reis](#).

April 06th, 2015 (12:30) - Joinville Campus

- [Review](#) of Amaral, A.S.M.S.; Bates, C.; Drusinsky, D. & Harel, D.; Harel, D. & Naamad, A.; Pnueli; Maruyama, H.; Philippe, B., Saad, Y., Stewart, W.J.; Ray, E. T.; R. R. Veloso; Vijaykumar, N.L.; by Igor Eineck.

March 30th, 2015 (12:30) - Joinville Campus

- [Review](#) of Heechul Yun; Gang Yao; Pellizzoni, R.; Caccamo, M.; Lui Sha {Univ. of Illinois at Urbana-Champaign, Urbana, IL, USA}, [MemGuard: Memory bandwidth reservation system for efficient performance isolation in multi-core platforms](#), In: Real-Time and Embedded Technology and Applications Symposium (RTAS), 2013 IEEE 19th Conference, pages 55 - 64 by [Eloi Giacobbo](#).

February 23th, 2015 (13:00)

- [Review](#) of Diana Goehring et al. {Fraunhofer IOSB, Ettlingen, Germany}. [Operating System for Runtime Reconfigurable Multiprocessor Systems](#), In: International Journal of Reconfigurable Computing (2011) by [João Reis](#).

December 08th, 2014 (13:00)

- [Review](#) of Michele Zorzi , Ramesh R. Rao, [Geographic random forwarding \(GeRaF\) for ad hoc and sensor networks: energy and latency performance](#), In: Mobile Computing, IEEE Transactions on (Volume:2 , Issue: 4) (2003), pages 349-365 by [Davi Resner](#).

December 01st, 2014 (13:00)

- [Review](#) of Sabrina Sicari, Alberto Coen-Porisini, Roberto Riggio, {Università degli studi dell'Insubria; CREATE-NET} [DARE: evaluating Data Accuracy using node REputation](#), In: Computer Networks, Volume 57, Issue 15, 29 October 2013, Pages 3098-3111, ISSN 1389-1286, by [Davi Resner](#)

November 24th, 2014 (13:00)

- [Review](#) of Yuqun Zhang; Chen-Hsiang Feng; Demirkol, I.; Heinzelman, W.B., {University of Rochester}, [Energy-Efficient Duty Cycle Assignment for Receiver-Based Convergecast in Wireless Sensor Networks](#), In: Global Telecommunications Conference (GLOBECOM 2010), 2010 IEEE, pages 1,5,6-10 by [Davi Resner](#)
- Course Conclusion Work preview "Portando o EPOS para a Zedboard" by [Bruno](#)

November 17th, 2014 (13:00)

- [Review](#) of Juan Antonio Clemente, Daniel Mozos {Universidad Complutense de Madrid} and Javier Resano {Universidad de Zaragoza}, An approach to manage reconfigurations and reduce area cost in hard real-time reconfigurable systems, In: TECS 2014, by [João Reis](#)

November 03rd, 2014 (13:00)

- [ESWeek2014 Overview](#) by [Mateus Ludwig](#)

October 27th, 2014 (13:00)

- [Review](#) of Amadou, I.; Chelius, G.; Valois, F. {Universit´e de Lyon, INRIA, France} [Energy-efficient beacon-less protocol for WSN](#). In: IEEE 22nd International Symposium on Personal Indoor and Mobile Radio Communications (PIMRC) 2011 (Hindex=57,Qualis A1) by [Sérgio Soares](#).

October 13th, 2014 (13:00)

- [Review](#) of Norbert Abel {Kirchhoff-Institute for Physics}, Design and Implementation of an Object-Oriented Framework for Dynamic Partial Reconfiguration, In: 2010 International Conference on Field Programmable Logic and Applications (FPL), pages 240-243, 2010. by [João Reis](#)

October 6th, 2014 (13:00)

- [Review](#) of Gamm, G.U. ; Stoecklin, S. ; Reindl, L.M. {Dept. of Microsyst. Eng. - IMTEK, Lab. for Electr. Instrum., Freiburg, Germany} [Wake-up receiver operating at 433 MHz](#). In: Multi-Conference on Systems, Signals & Devices (SSD), 2014 11th International by [Antonio Luppi](#).
- Preview CPSArch2014 by [Mateus Ludwig](#).

September 15th, 2014 (13:00)

- [Review](#) of Borzoo Bonakdarpour, Samaneh Navabpour, Sebastian Fischmeister {University of Waterloo}, [Time-triggered Runtime Verification](#), Formal Methods in System Design (FMSD 2013), pages. 29-60, by [Mateus Ludwig](#)

August 25th, 2014 (13:00)

- [Review](#) of Xinyu Feng {Toyota Technological Institute at Chicago}, [Local rely-guarantee reasoning](#), In: Proceedings of the 36th annual ACM SIGPLAN-SIGACT symposium on Principles of programming languages (POPL 2009), pages 315-327, by [Mateus Ludwig](#)
- [Review](#) of Adly, I; Ragai, H.F.; Elhennawy, A E.; Shehata, K. A. {Ain Shams University}, [Adaptive packet sizing for OTAP of PSoC based interface board in WSN](#), In: International Conference On Microelectronics (ICM 2010), pages 148-151 by [Davi Resner](#).
- [Review](#) of Iturbe, X.; Benkrid, K.; Chuan Hong; Ebrahim, A.; Torrego, R.; Martinez, I.; Arslan, T.; Perez, J. {Syst. Level Integration Res. Group, Univ. of Edinburgh, Edinburgh}, [R3TOS: A Novel Reliable Reconfigurable Real-Time Operating System for Highly Adaptive, Efficient, and Dependable Computing on FPGAs](#), In: Computers, IEEE Transactions on, Volume:62, Issue: 8 by [João Reis](#).

August 18th, 2014 (13:00)

- [Review](#) of Lettieri, P.; Srivastava, M.B. {University of California, Los Angeles}, [Adaptive frame length control for improving wireless link throughput, range, and energy efficiency](#), In: Seventeenth Annual Joint Conference of the IEEE Computer and Communications Societies. (INFOCOM 98), pages 564-571 by [Davi Resner](#).
- [Review](#) of Zhong Ren; Hail, M.A; Hellbruck, H. {Yale University, USA} [CCN-WSN - A lightweight, flexible Content-Centric Networking protocol for wireless sensor networks](#). In: Intelligent Sensors,

July 15th, 2014 (13:00)

- [Review](#) of Gérard Basler 1, Michele Mazzucchi 1, Thomas Wahl 1,2 , Daniel Kroening 1,2 {1 Computer Systems Institute, ETH Zurich, Switzerland; 2 Computing Laboratory, Oxford University, United Kingdom}, [Symbolic Counter Abstraction for Concurrent Software](#), In: Proceedings of Computer Aided Verification 2009 (CAV 2009) by [Mateus Ludwich](#).
- [Review](#) of Nguyen Phi Le, Nguyen Trung Hieu, and Nguyen Khanh Van. 2012. {Ha Noi University of Science and Technology, Viet Nam}, [ELBAR: efficient load balanced routing scheme for wireless sensor networks with holes](#), In: Proceedings of the Third Symposium on Information and Communication Technology (SolCT '12). ACM, New York, NY, USA, 190-199. by [Sérgio Soares](#).

July 08th, 2014 (13:00)

- [Review](#) of Alexey Gotsman 1, Josh Berdine 2, Byron Cook 2, Noam Rinetzky 3, and Mooly Sagiv 2,3 {1- University of Cambridge, 2- Microsoft Research, 3- Tel-Aviv University}, [Local Reasoning for Storable Locks and Threads](#), In: Proceedings of the 5th Asian conference on Programming languages and systems (APLAS 2007), pages 19-37 by [Mateus Ludwich](#).

June 24, 2014 (13:00)

- Giovanni Gracioli, Prévia da defesa de doutorado: Real-Time Operating System Support for Multicore Applications.
- [Review](#) of Petrioli, C.; Nati, M.; Casari, P.; Zorzi, M.; Basagni, S. {University of Padova, Italy}, [ALBA-R: Load-Balancing Geographic Routing Around Connectivity Holes in Wireless Sensor Networks](#), In: IEEE Transactions on Parallel and Distributed Systems, vol.25, no.3, pp.529,539, March 2014 doi: 10.1109/TPDS.2013.60 by [Sérgio Soares](#).

June 17, 2014 (10:30)

- Mateus K. Ludwich, Defesa Seminário de Andamento de Doutorado: Design for Verification of Concurrent Real-time Embedded Systems.

June 10, 2014 (13:00)

- Mateus K. Ludwich, Prévia de Seminário de Andamento de Doutorado: Design for Verification of Concurrent Real-time Embedded Systems.
- [Review](#) of Marinkovic, S.J. and Popovici, E.M. { Univ. Coll. Cork, Cork, Ireland }, [Nano-Power Wireless Wake-Up Receiver With Serial Peripheral Interface](#), In: Selected Areas in Communications, IEEE Journal on, Issue Date: September 2011 by [Antonio C. Luppi Jr.](#)

May 27, 2014 (13:00)

- [Review](#) of Stefan Ruhrop and Ivan Stojmenovic {University of Ottawa, Canada}, [Optimizing Communication Overhead while Reducing Path Length in Beaconless Georouting with Guaranteed Delivery for Wireless Sensor Networks](#), In: Computers, IEEE Transactions on , vol.62, no.12, pp.2440,2453, Dec. 2013 by [Sérgio Soares](#).
- [Review](#) of David L. Andrews, Ron Sass, Erik K. Anderson, Jason Agron, Wesley Peck, Jim Stevens, Fabrice Baijot and Ed Komp {University of Kansas, USA}, [Achieving Programming Model Abstractions for Reconfigurable Computing](#), In: Very Large Scale Integration (VLSI) Systems, IEEE Transactions on, vol.16, no.1, pp.34,44, Jan. 2008 by [João Gabriel Reis](#).

April 29, 2014 (13:00)

- [Review](#) of C. Bobda, M. Majer, A. Ahmadinia, T. Haller, A. Linarth and J. Teich {Dept. of Computer Science, University of Erlangen-Nuremberg, Erlangen, Germany}, [The Erlangen slot machine: increasing flexibility in FPGA-based reconfigurable platforms](#), In: Proceedings of the 2005 IEEE International Conference on Field-Programmable Technology (ICFPT'05), 2005, pages 37-42 by [João Gabriel Reis](#).
- [Review](#) of Aissani, M.; Mellouk, A.; Badache, N.; Djebbar, M. {Laboratory of Images, Signals and Intelligent Systems (LiSSI) - France} ["A Preventive Rerouting Scheme for Avoiding Voids in Wireless Sensor Networks,"](#) Global Telecommunications Conference, 2009. GLOBECOM 2009. IEEE , vol., no., pp.1,5, Nov. 30 2009-Dec. 4 2009 by [Sergio Soares](#).

March 25, 2014 (13:00)

- [Review](#) of Matthew Fernandez, Ihor Kuz, Gerwin Klein, and June Andronick {NICTA and the University of New South Wales, Sydney, Australia}, [Towards a Verified Component Platform](#), In: Proceedings of the Seventh Workshop on Programming Languages and Operating Systems (PLOS'13), 2003, pages 2:1-2:7 by [Mateus Ludwig](#).

March 18, 2014 (13:00)

- Desenvolvimento de componentes de controle em um sistema operacional de tempo real. Apresentação de trabalho de iniciação científica. Lucas Pires Camargo (LISHA/Joinville).
- [Review](#) of Hayden Kwok-Hay So, Artem Tkachenko and Robert Brodersen {Department of Electrical Engineering and Computer Science, University of California, Berkeley}, [A unified hardware/software runtime environment for FPGA-based reconfigurable computers using BORPH](#), In: Hardware/Software Codesign and System Synthesis, 2006. CODES+ISSS '06. Proceedings of the 4th International Conference pages 259-264, by [João Gabriel Reis](#).
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February 25, 2014 (13:00)

- [Review](#) of Michael Brown, Darrel Hankerson, Julio López, Alfred Menezes {University of Waterloo, Auburn University, Certicom Research, University of Valle}, [Software Implementation of the NIST Elliptic Curves Over Prime Fields](#), In: Topics in Cryptology — CT-RSA 2001 The Cryptographers' Track at RSA Conference 2001 San Francisco, CA, USA, April 8-12, 2001 Proceedings, by [Davi Resner](#).
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February 18, 2014 (13:00)

- [Review](#) of Andreas Bauer, Martin Leucker, Christian Schallhart {NICTA and Australian National University, Technische Universität München, Technische Universität Darmstadt}, [Runtime Verification for LTL and TLTL](#), In: ACM Transactions on Software Engineering and Methodology (TOSEM 2011), Article 14 by [Mateus Ludwig](#).
- [Review](#) of Chris Studholme {University of Toronto}, [The Discrete Log Problem](#), by [Davi Resner](#).

December 16, 2013 (15:00)

- [Review](#) of Zhang Li-ping ; Wang Yi {China University of Geosciences, Wuhan Police Vocation college}, [An ID-Based Key Agreement Protocol for Wireless Sensor Networks](#), In: 1st International Conference on Information Science and Engineering (ICISE, 2009), pages 2542 - 2545 by [Davi Resner](#).

- [Review](#) of Monson, J. ; Wirthlin, M. ; Hutchings, B.L. {Dept. of Electr. & Comput. Eng., Brigham Young Univ., Provo, UT, USA }, [Implementing high-performance, low-power FPGA-based optical flow accelerators in C](#), In: 2013 IEEE 24th International Conference on Application-Specific Systems, Architectures and Processors (ASAP, 2013), pages 363 - 369 by [Rodrigo Meurer](#).
- [Review](#) of Santanu Sarma; N, Dutt; N. Venkatasubramanian; A. Nicolau; P. Gupta, [Cyberphysical-System-On-Chip \(CPSoC\): A Self-Aware Design Paradigm with Cross-Layer Virtual Sensors and Actuators](#) by [João Gabriel Reis](#).

December 09, 2013

- [LISHA Research Colloquium 2013-2](#)
 - [Linear Temporal Separation Logic 3](#), by [Mateus Krepsky Ludwig](#)
 - [A secure key bootstrapping protocol for Wireless Sensor Networks](#), by [Davi Resner](#)
 - [An Implementation of the AES cipher using HLS](#), by [Rodrigo Meurer](#)
 - [Porting EPOS to the Zynq-7000 ARM Cortex A9 platform](#), by [Bruno Farias de Loreto](#)
 - [An FPGA based hardware implementation of the IEEE 802.15.4 protocol](#), by [João Gabriel Reis](#)
 - [Adaptive Scheduling for Energy-Aware Real-Time Systems](#), by [Arliones Hoeller](#)
 - [Real-Time Operating System Support for Multicore Applications](#), by [Giovani Gracioli](#)

November 18, 2013 (15:00)

- [Review](#) of Gangil, G.; Narvey, R. {MTS Gwalior}, [Advanced Security Algorithm for Power Grid](#), In: International Conference on Communication Systems and Network Technologies (CSNT'2013), pages 409-417 by [Rodrigo Meurer](#).
- Overview SBESC

November 11, 2013 (15:00)

- [Review](#) of Bomel, Pierre; Martin, Kevin; Diguët, Jean-Philippe, [Virtual UARTs for Reconfigurable Multi-processor Architectures](#), in: Parallel and Distributed Processing Symposium Workshops & PhD Forum (IPDPSW), 2013 IEEE 27th International , vol., no., pp.252,259, 20-24 May 2013 by [Bruno F. Loreto](#)
- [Review](#) of Li, Yibin et al, [Dynamically Reconfigurable Hardware With a Novel Scheduling Strategy in Energy-Harvesting Sensor Networks](#), in: IEEE Sensors Journal, pp.2032,2038, 13 fev 2013 by [João Gabriel Reis](#)

October 28, 2013 (15:00)

- [Review](#) of Potlapally, N. R.; Ravi, S.; Raghunathan, A.; Jha, N. K. {IEEE}, [A study of the energy consumption characteristics of cryptographic algorithms and security protocols](#), In: IEEE Transactions on Mobile Computing (TMC'06), pages 128-143 by [Rodrigo Meurer](#).
- [Review](#) of Ming Fu 1, Yong Li 1, Xinyu Feng 1,2, Zhong Shao 3, and Yu Zhang 1 {1- University of Science and Technology of China , 2- Toyota Technological Institute at Chicago, 3- Yale University}, [Reasoning about Optimistic Concurrency Using a Program Logic for History](#), In: CONCUR 2010 - Concurrency Theory Lecture Notes in Computer Science Volume 6269, 2010, pp 388-402. By [Mateus Krepsky Ludwig](#).
- [ENSIMAG WSN Mobile & Wireless Networks for the future Internet of Things](#) by Prof. Franck Rousseau (Grenoble Institute of Technology), October 24, 2013.

October 21, 2013 (15:00)

- Preview of SBESC presentations:
 - [Dynamic Adjustment of Transmission Power of Mobile Ad-Hoc Wireless Sensor Networks](#), by

Arliones.

- An Implementation of the AES Cipher using HLS, by Rodrigo.
- Implementação e Avaliação do Escalonador Agrupado para um Sistema Operacional de Tempo Real, by Murilo.

October 14, 2013 (15:00)

- [Review](#) of Yue Li {School of Computer Science & Technology, Donghua University}, [Design of a Key Establishment Protocol for Smart Home Energy Management System](#), In: Computational Intelligence, Communication Systems and Networks, Fifth International Conference on (CICSyN, 2013), pages 88-93 by [Davi Resner](#).

October 07, 2013 (15:00)

- [Review](#) of Huong Thien Hoang¹, Phong The Vo¹, Y Thien Vo¹, Liem Tan Phan¹, Norimasa Otsuki², Masayuki Ito², Osamu Nishii² {¹Renesas Design Vietnam Co., Ltd, Tan Thuan Road, Tan Thuan Processing Zone, Dist.7, Ho Chi Minh City, Vietnam; ²Renesas Technology Corp., 5-20-1, Josuihon-cho, Kodaira, Tokyo, 187-8588, Japan}, [Design and Performance Evaluation of an 8-processor 8,640 MIPS SoC with Overhead Reduction of Interrupt Handling in a Multi-core System](#), In: IEEE Asian Solid-State Circuits Conference (A-SSCC '08), pages 193-196 by [Bruno F. Loreto](#).

September 30, 2013 (15:00)

- [Review](#) of Huai, L.; Zou, X.; Liu, Z.; Han, Y. {Electronic Science and Technology Department, Huazhong University of Science and Technology, Wuhan, China}, [An Energy-Efficient AES-CCM Implementation for IEEE802.15.4 Wireless Sensor Networks](#), In: International Conference on Networks Security, Wireless Communications and Trusted Computing (NSWCTC'09), pages 394-397 by [Rodrigo Meurer](#).
- Presentation [The Time and the Shape](#) by Mateus Krepsky Ludwich (Federal University of Santa Catarina), September 30, 2013.

September 23, 2013 (15:00)

- [Review](#) of Jason Van Dyken and José G. Delgado-Frias {School of Electrical Engineering and Computer Science, Washington State University, Pullman, USA}, [FPGA schemes for minimizing the power-throughput trade-off in executing the Advanced Encryption Standard algorithm](#), In: Journal of Systems Architecture (JSA'10), pages 116-123 by [Rodrigo Meurer](#).
- [Review](#) of Daniel J. Bernstein {University of Illinois, Chicago}, [The Poly1305-AES message-authentication code](#), In: Proceedings of Fast Software Encryption (2005), pages 32-49 by [Davi Resner](#).

August 12, 2013 (15:00)

- [Review](#) of Ramon Bertran, Marc Gonzàlez, Xavier Martorell, Nacho Navarro, Eduard Ayguadé {Universitat Politècnica de Catalunya}, [A Systematic Methodology to Generate Decomposable and Responsive Power Models for CMPs](#), In: IEEE Transactions on Computers (IEEE TC, vol. 62, no. 7, 2013), pages 1289-1302 by [Arliones](#).
- [Review](#) of Samir Bouabdallah {LSA-EPFL} and Roland Siegwart {LSA-EPFL}, [Backstepping and Sliding-mode Techniques Applied to an Indoor Micro Quadrotor](#), In: IEEE International Conference on Robotics and Automation (IEEE ICRA, 2005), pages 2247-2252 by [Murilo](#).
- [Review](#) of Samir Bouabdallah {ETZH-Zürich} and Roland Siegwart {LSA-EPFL}, [Full control of a quadrotor](#), In: IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS, 2007), pages 153-158 by [Murilo](#).
- [Review](#) of G. Macario {MMES, Italy}, M. Torchiano, M. Violante {CCDPT, Italy}, [An In-Vehicle Infotainment Software Architecture Based on Google Android](#), In: Industrial Embedded Systems,

2009, pages 257-260 by [Renato](#).

July 29, 2013 (15:00)

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July 15, 2013 (15:00)

- Peterson (Strawman: Resolving Collisions in Bursty Low-Power Wireless Networks)
- [Review](#) of Yi Wang and Yajun Ha. {Dept. of Electr. & Comput. Eng., Nat. Univ. of Singapore, Singapore}, [FPGA-Based 40.9-Gbits/s Masked AES With Area Optimization for Storage Area Network](#), In: IEEE Transactions on Circuits and Systems, 2013 (TCAS'13), pages 36-40 by [Rodrigo Meurer](#).
- [Review](#) of Buphinder S. Mongia, Vijay K. Madiseti {Georgia Tech, Atlanta}, [Reliable Real-Time Applications on Android OS](#), by [Renato](#).

June 24, 2013 (15:00)

- [Review](#) of Abbas BanaiyanMofrad, Nikil Dutt {UC-I} and Gustavo Girao {UFRGS}, [Modeling and analysis of fault-tolerant distributed memories for Networks-on-Chip](#), In: Design, Automation & Test in Europe Conference & Exhibition (DATE), 2013, pages 1605 - 1608 by [Tiago Mück](#).
- [Review](#) of Tapas K. Kundu, Kolin Paul {IIT-Delhi}, [Android on Mobile Devices - An Energy Perspective](#), In: Computer and Information Technology (CIT_2010), pages 2421-2426 by [Renato](#).
- [Internal paper review](#) by [Giovani Gracioli](#)

June 17, 2013 (15:00)

- [RSP 2013 Internal paper review](#) by [Tiago Mück](#)
- [Review](#) of P. Hamalainen, T. Alho, M. Hannikainen, and T.D. Hamalainen. {Tampere University of Technology / Institute of Digital and Computer Systems}, [Design and implementation of low-area and low-power aes encryption hardware core.](#), In: EUROMICRO Conference on Digital System Design: Architectures, Methods and Tools, 2006 (DSD'06), pages 577-583 by [Rodrigo Meurer](#).
- [Review](#) of Huu Hai Nguyen 1, Viktor Kuncak 2, and Wei-Ngan Chin 1,3 {1. Computer Science Programme, Singapore-MIT Alliance; 2. Swiss Federal Institute of Technology (EPFL); 3. Department of Computer Science, National University of Singapore}. [Runtime checking for separation logic](#). Proceedings of the 9th international conference on Verification, model checking, and abstract interpretation (VMCAI'08), 2008. By [Mateus Krepsky Ludwig](#)

June 10, 2013 (15:00)

- [Review](#) of Neil Hanley and Maire O'Neill {Secure Information Technologies Center, ECIT, Queens University Belfast}, [Hardware Comparison of the ISO/IEC 29192-2 Block Ciphers](#), In: IEEE Computer Society Annual Symposium on VLSI (ISVLSI,2012), pages 57-62 by [Rodrigo Meurer](#).
- [Review](#) of Jeonggil Ko and Joakim Eriksson and Nicolas Tsiftes and Stephen Dawson-haggerty and Mathilde Durvy and Andreas Terzis {Cisco Systems, Department of Computer Science, Johns Hopkins University} and Adam Dunkels {Swedish Institute of Computer Science} and David Culler {University of California, Berkeley}, [Beyond Interoperability: Pushing the Performance of SensorNet IP Stacks](#), In Proceedings of the International Conference on Embedded Networked Sensor Systems (ACM SenSys, 2011), pages 112-124 by [Peterson Oliveira](#).

May 27, 2013 (15:00)

- [Review](#) of Samir Bouabdallah {LSA-EPFL}, Pierpaolo Murrieri {UNIP-IItaly} and Roland Siegwart {LSA-EPFL}, [Design and control of an indoor micro quadrotor](#), In: IEEE International Conference on Robotics and Automation (IEEE ICRA, vol. 5, 2004), pages 4393-4398 by [Murilo](#).

- [Review](#) of Wu Jigang; Qiqiang Sun; Srikanthan, T., [Multiple-choice hardware/software partitioning](#), In: Computing model and algorithms, Computer Engineering and Technology (ICCET), 2010 2nd International Conference on , vol.2, no., pages V2-61,V2-65, 16-18 April 2010, doi: 10.1109/ICCET.2010.5485322 by [André D´Amato](#)
- [Review](#) of Benjamin Carrion Schafer and Kazutoshi Wakabayashi {NEC Corporation}, [Divide and conquer high-level synthesis design space exploration](#), In: ACM Transactions on Design Automation of Electronic Systems (TODAES), Volume 17 Issue 3, June 2012 by [Tiago](#).
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May 20, 2013 (15:00)

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- [Review](#) Akyildiz, I.F. ; {Sch. of Electr. & Comput. Eng., Georgia Inst. of Technol.}, Atlanta, GA ; Vuran, Mehmet C. ; Akan, O.B., [A cross-layer protocol for wireless sensor networks](#), In: 40th Annual Conference on Information Sciences and Systems, pages 1102 - 1107 by [Peterson Oliveira](#).
- [Review](#) of Shaz Qadeer, and Serdar Tasiran. [Runtime verification of concurrency-specific correctness criteria](#). International Journal on Software Tools for Technology Transfer (STTT), pages 291-305, 2012. By [Mateus Krepsky Ludwig](#)

May 06, 2013 (15:00)

- [Review](#) of John M. May {Lawrence Livermore National Laboratory}, [MPX: Software for Multiplexing Hardware Performance Counters in Multithread Programs](#), In: Proceedings of the 15th International Parallel & Distributed Processing Symposium (IPDPS 2001), pages 22-31" by [Giovani Gracioli](#).
- [Review](#) of Dahlin, Mike and Johnson, Ryan and Krug, Robert Bellarmine and McCoyd, Michael and Young, William", [Toward the Verification of a Simple Hypervisor](#), In: Electronic Proceedings in Theoretical Computer Science (EPTCS 2011), Volume 70, pages 28-45 by [Fabio Resner](#).
- [Review](#) of Siquan Hu; Yanchao Yu; Lun Xie, [Comparing Power Management Strategies of Android and TinyOS](#), In: Circuits, Communications and System (PACCS), 2011 Third Pacific-Asia Conference on, vol., no., pp. 1,4, 17-18 July 2011 by [Renato Bock](#).
- [Review](#) of Yan Wang, Lida Huang, Renfa Li and Rui Li [A Shared Cache-aware Hybrid Real-time Scheduling on Multicore Platform with Hierarchical Cache](#), In: 2011 Fourth International Symposium on Parallel Architectures, Algorithms and Programming, pages 208-212 by [Murilo Vitor](#).

April 29, 2013 (15:00)

- [Review](#) of Myron King, Nirav Dave, and Arvind {MIT}. [Automatic Generation of Hardware/Software Interfaces](#). In Proceedings of the seventeenth international conference on Architectural Support for Programming Languages and Operating Systems (ASPLOS XVII), 2012. By [Tiago Mück](#).
- [Review](#) of Hodjat, A.; Verbauwheide, I., [A 21.54 Gbits/s Fully Pipelined AES Processor on FPGA](#), In: Field-Programmable Custom Computing Machines, 2004. 12th Annual IEEE Symposium on , vol., no., pp.308,309, 20-23 April 2004 by [Rodrigo Meurer](#).
- [Review](#) of Waltenegus Dargie {TU Dresden}, [Dynamic Power Management in Wireless Sensor Networks: State-of-the-Art](#), In: IEEE Sensors Journal, 2012. vol. 12, no. 5, pp.1518-1528. by [Arliones](#)
- [Review](#) of Jade Alglave, Daniel Kroening, and Michael Tautschnig. [Partial Orders for Efficient Bounded Model Checking of Concurrent Software](#). In Proceedings of the 25th international conference on Computer aided verification (CAV 2013 to appear), 2013. By [Mateus Krepsky Ludwig](#)

March 25, 2013 (16:00)

- [Review](#) of Henrik Tange and Birger Andersen {Technical University of Denmark}, [SPDH - A Secure Plain Diffie-Hellman Algorithm](#), In: Journal of Cyber Security and Mobility, (1):143-160, 2012, by [Peterson Oliveira](#).
- [Review](#) of Abhik Sarkar, Frank Mueller, and Harini Ramaprasad {North Carolina State and South Illinois Universities}, [Predictable Task Migration for Locked Caches in Multi-Core Systems](#), In: Proceedings of the 2011 SIGPLAN/SIGBED Conference on Languages, Compilers and Tools for Embedded Systems (LCETS), 131-140, 2011, by [Giovani Gracioli](#).

February 15, 2013 (9:00)

- [Review](#) of Oscar López-Lapeña, Maria Teresa Penella., [Low-power FOCV MPPT controller with automatic adjustment of the sample & hold](#), In: ELECTRONICS LETTERS 27th September 2012 Vol. 48 No. 20 by Leonardo Kessler Slongo.
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- [Review](#) of Perneel, Luc Electronics and Informatics Department, Vrije Universiteit Brussel, Pleinlaan 2, 1050 Brussel, Belgium Fayyad-Kazan, Hasan ; Timmerman, Martin , [Can Android be used for Real-Time purposes?](#), In: Computer Systems and Industrial Informatics (ICCSII), 2012 International Conference by [Renato Bock](#)

February 8, 2013 (9:00)

- [Review](#) of the LARA approach by [Tiago Mück](#):
 - [LARA: an aspect-oriented programming language for embedded systems](#), In: The 11th annual international conference on Aspect-oriented Software Development (AOSD)
 - [Specifying Compiler Strategies for FPGA-based Systems](#) , In: 2012 IEEE 20th Annual International Symposium on Field-Programmable Custom Computing Machines (FCCM)
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- [Review](#) of interrupt latency of seL4 by [Mateus K. Ludwig](#)
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- [Review](#) of Jiun-Ren Lin ECE Dept., Carnegie Mellon Univ., Pittsburgh, PA, USA Talty, T. ; Tonguz, O.K. , [Feasibility of Safety Applications Based on Intra-Car Wireless Sensor Networks: A Case Study](#), In: Vehicular Technology Conference (VTC Fall), 2011 IEEE by [Renato Bock](#)

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- [Review](#) of David Culler, Jaemin Jeong and Jae-Hyuk Oh, [Empirical Analysis of Transmission Power Control Algorithms for Wireless Sensor Networks](#), In: Fourth International Conference on Networked

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- [Review](#) of Tamer ElBatt, Cem Saraydar, Michael Ames, Timothy Talty, *Potential for Intra-Vehicle Wireless Automotive Sensor Networks*, In: HRL Laboratories, LLC, General Motors Corporation, Sarnoff Symposium, IEEE, 4 pages, 2006 by [Renato Bock da Costa](#)

January 31, 2013 (10:00)

- [Review](#) of Andrea Bastoni, Björn B. Brandenburg, and James H. Anderson, *An Empirical Comparison of Global, Partitioned, and Clustered Multiprocessor EDF Schedulers*, In: Real-Time Systems Symposium (RTSS)), 2010 IEEE 31st, pages 14-24, Nov. 30 2010-Dec. 3 2010 by [Murilo Ferreira Vitor](#)
- [Review](#) of Andrea Bastoni, Björn B. Brandenburg, and James H. Anderson, *Is Semi-Partitioned Scheduling Practical?*, In: Real-Time Systems (ECRTS), 2011 23rd Euromicro Conference on 5-8 July 2011, pages 125-135 by [Murilo Ferreira Vitor](#)
- [Review](#) of Mohammed Benaissa and Junfeng Chu, *Low Area Memory-Free FPGA Implementation of the AES Algorithm*, In: 2012, International Conference on Field Programmable Logic and Applications (FPL). by [Rodrigo Meurer](#).

January 25, 2013 (9:00)

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- [Review](#) of Thomas Nolte, Hans Hansson, Lucia Lo Bello, *Wireless Automotive Communications*, In: Mälärden Univ., Univ. of Catania, ECRTS, 4 pages, 2005 by [Renato Bock da Costa](#).

December 14, 2012 (9:00)

- [Review](#) of Sivasankar Radhakrishnan, Yuchung Cheng, Jerry Chu, Arvind Jain, *TCP Fast Open*, In: CoNEXT '11 Proceedings of the Seventh Conference on emerging Networking EXperiments and Technologies, 2011 by [Peterson Oliveira](#).
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December 7, 2012 (9:00)

- [Review](#) of RicardoGaribay-Martínez, Luis Lino Ferreira and Luís Miguel Pinho, *A Framework for the Development of Parallel and Distributed Real-Time Embedded Systems*, In: 2012, 38th EUROMICRO Conference on Software Engineering and Advanced Applications (SEAA) by [Rodrigo Meurer](#)

December 3, 2012 (9:00)

- On AOP techniques for C++-based HW/SW component implementation by [Tiago Rogério Mück](#) (to be presented at ICECS'12)
- [Review](#) of Jörg Herter, Peter Backes, Florian Hauptenthal, and Jan Reineke, *CAMA: A Predictable Cache-Aware Memory Allocator*, In: 23rd Euromicro Conference on Real-Time Systems (ECRTS), pages 23-32, 2011 by [Giovani Gracioli](#).
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November 23, 2012 (9:00)

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November 09, 2012 (9:00)

- ESWeek 2012 [review](#) by [Tiago Mück](#). Selected papers:
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 - Devendra Rai, Hoeseok Yang, Iuliana Bacivarov and Lothar Thiele, [Power Agnostic Technique for Efficient Temperature Estimation of Multicore Embedded Systems](#), In: *Proceedings of CASES'12*, p. 61 - 70, 2012.

October 26, 2012 (9:00)

- [Review](#) of SangHyun Chang , Ta-Shun Chu , Jonathan Roderick, Chenliang [UWB Human Detection Radar System: A RF CMOS Chip and Algorithm Integrated Sensor](#), In: 2011 IEEE International Conference on Ultra-Wideband (ICUWB) by [Peterson Oliveira](#).
- [Review](#) of Calandrino, Leontyev, Block, Devi, and Anderson, [LITMUS^{RT} : A Testbed for Empirically Comparing Real-Time Multiprocessor Schedulers](#), In: *Real-Time Systems Symposium*, p. 111 - 126, 2006 by [Murilo Vitor](#).
- [Review](#) of Li Wenfeng ; Eliasson, J.; Riliskis, L. ; Makitaavola, H. [Tiny Mülle: A Low-power Platform for Demanding WSN Applications](#), In: 2010 Wireless Communications Networking and Mobile Computing (WiCOM). by [Rodrigo Meurer](#).
- [Review](#) of Richard Leiner, [Research Solar Power Boat – Data Management and Online visualization](#), In: *Univ. of Appl. Sci., Konstanz, AFRICON 2007*, 5 pages, 2007 (Conference Publication) by [Renato Bock da Costa](#)
- [Review](#) of Garcia-Luna-Aceves, J.J. & Menchaca-Mendez, Rolando (University of California, Santa Cruz), [STORM: A Framework for Integrated Routing, Scheduling, and Traffic Management in Ad Hoc Networks](#), In: *IEEE Transactions on Mobile Computing*, V:11, Issue:8, Aug. 2012 by [Alexandre Massayuki Okazaki](#)

October 19, 2012 (9:00)

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- [Review](#) of Brandenburg and Anderson, [Feather-Trace: A Light-Weight Event Tracing Toolkit](#), In: *Proceedings of the Third International Workshop on Operating Systems Platforms for Embedded Real-Time Applications*, p. 61-70, 2007 by [Giovani Gracioli](#).

October 05, 2012

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September 28, 2012

- Leonardo Kessler Slongo. [Low-Power Design of a Self-powered Piezoelectric Energy Harvesting System With Maximum Power Point Tracking](#).

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