Research output: Scientific - peer-review › Conference contribution

Shamani, Farid; Fakour Sevom, Vida; Ahonen, Tapani; Nurmi, Jari / Integration Issues of a run-Time Configurable Memory Management Unit to a RISC Processor on FPGA. In: Microprocessors and Microsystems, 05.12.2016.
Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Conference contribution

Blinzer, Paul; Takala, Jarmo; Glossner, John / Better, Faster Systems with Heterogeneous Design. In: Computing Now, 03.08.2016.
Research output: General public › Article

Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Article

Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Conference contribution
Yli-Kaakinen, Juha; Levanen, Toni; Aghababaeetafreshi, Mona; Renfors, Markku; Valkama, Mikko / **Optimization of parallel processing intensive digital front-end for IEEE 802.11ac receiver.**
Research output: Scientific - peer-review › Conference contribution

Khan, M. Waqas A.; Björninen, Toni; Sydänheimo, Lauri; Ukkonen, Leena / **Remotely Powered Piezoresistive Pressure Sensor: Toward Wireless Monitoring of Intracranial Pressure.**
Research output: Scientific - peer-review › Article

Glossner, John; Blinzer, Paul; Takala, Jarmo / **HSA-Enabled DSPs and Accelerators.**
Research output: Scientific - peer-review › Conference contribution

Ghazi, Amanullah; Boutellier, Jani; Silven, Olli; Shahabuddin, Shahiriar; Juntti, Markku; Bhattacharyya, Shuvra; Anttila, Lauri / **Model-based design and implementation of an adaptive digital predistortion filter.**
Research output: Scientific - peer-review › Conference contribution

Koskinen, Jukka Antero / **E-learning of ethics, awareness, hacking and research by information security majors.**
Research output: Scientific - peer-review › Conference contribution

Collin, Jussi / **MEMS IMU Carouseling for Ground Vehicles.**
In: IEEE Transactions on Vehicular Technology, Vol. 64, No. 6, 16.06.2015, p. 2242-2251.
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Liu, Y.; Barford, L.; Bhattacharyya, S.S. / **Constant-rate clock recovery and jitter measurement on deep memory waveforms using dataflow.**
Research output: Scientific - peer-review › Conference contribution

Seppälä, Jari; Salmenperä, Mikko; Koivisto, Hannu; Harju, Jarmo; Repo, Sami; Holmström, John; Ahonen, Pasi / **Towards automation security research and training environment.**
Research output: Scientific - peer-review › Conference contribution

Rakkolainen, Ismo; Sand, Antti; Palovuori, Karri / **Midair User Interfaces Employing Particle Screens.**
Research output: Scientific - peer-review › Article

Blattner, Timothy; Keyrouz, Walid; Halem, Milton; Brady, Mary; Bhattacharyya, Shuvra / **A Hybrid Task Graph Scheduler for High Performance Image Processing Workflows.**
Research output: Scientific - peer-review › Conference contribution

Kim, Scott C.; Bhattacharyya, Shuvra S. / **An efficient GPU implementation of a multirate resampler for multi-carrier systems.**
Research output: Scientific - peer-review › Conference contribution
Airoldi, Roberto; Campi, Fabio; Cucchi, Manuele; Revanna, Deepak; Anjum, Omer; Nurmi, Jari / Design and Implementation of a Power-aware FFT Core for OFDM-based DSA-enabled Cognitive Radios.
Research output: Scientific - peer-review › Article

Sand, Antti; Rakkolainen, Ismo; Isokoski, Poika; Kangas, Jari; Raisamo, Roope; Palovuori, Karri / Head-mounted Display with Mid-air Tactile Feedback.
Research output: Scientific - peer-review › Conference contribution

Viitanen, Marko; Koivula, Ari; Lemmetti, Ari; Vanne, Jarno; Hämäläinen, Timo D. / Kvazaar HEVC encoder for Efficient Intra Coding.
Research output: Scientific - peer-review › Conference contribution

Koivula, Ari; Viitanen, Marko; Vanne, Jarno; Hämäläinen, Timo D.; Fasnacht, Laurent / Parallelization of Kvazaar HEVC Intra Encoder for Multi-core Processors.
Research output: Scientific - peer-review › Conference contribution

Bojja, Jayaprasad; Collin, Jussi; Särkkä, Simo; Takala, Jarno / Pedestrian Localization in Moving Platforms Using Dead Reckoning, Particle Filtering and Map Matching.
Research output: Scientific - peer-review › Conference contribution

Koivula, Ari; Viitanen, Marko; Lemmetti, Ari; Vanne, Jarno; Hämäläinen, Timo D. / Performance Evaluation of Kvazaar HEVC Intra Encoder on Xeon Phi Many-core Processor.
Research output: Scientific - peer-review › Conference contribution

Multanen, Joonas; Viitanen, Timo; Linjamäki, Henry; Kultala, Heikki; Jääskeläinen, Pekka; Takala, Jarno; Koskela, Lauri; Simonsson, Jesse; Berg, Heikki; Raiksa, Kalle; Zetterman, Tommi / Power Optimizations for Transport Triggered SIMD Processors.
Research output: Scientific - peer-review › Conference contribution

Nyländen, Teemu; Kultala, Heikki; Hautala, Ilkka; Boutellier, Jani; Hannuksela, Jari; Silvén, Olli / Programmable Data Parallel Accelerator for Mobile Computer Vision.
Research output: Scientific - peer-review › Conference contribution

Pekkarinen, Esko; TIEHO, Mikko; Salminen, Erno; Hämäläinen, Timo D. / Resolving parameter reference management in IP-XACT using Kactus2.
Research output: Scientific - peer-review › Conference contribution

Wang, Kui; Salminen, Erno; Nurmi, Jari; Ahonen, Tapani / WarmPie: A bare-bones implementation of message passing interface for embedded many-cores.
Research output: Scientific - peer-review › Conference contribution

Nurmi, Jari (Editor); Ellerbee, Peeter (Editor); Indrusiak, Leandro Soares (Editor); Vainio, Olli (Editor); Thombre, Sarang (Editor); Raasakka, Jussi (Editor) / 2013 International Symposium on System-on-Chip Proceedings.
Stirbu, Vlad; Aaltonen, Timo / Enabling Real-Time Resource Oriented Architectures with REST Observers.
Research output: Scientific - peer-review › Chapter

Paakki, Tommi; Nurmi, Jari / Faster than real-time GNSS receiver testing.
Research output: Scientific - peer-review › Conference contribution

Shamani, Farid; Airoldi, Roberto; Ahonen, Tapani; Nurmi, Jari / FPGA Implementation of a Flexible Synchronizer for Cognitive Radio Applications.
Research output: Scientific - peer-review › Conference contribution

Nurmi, Jari (Editor); Lohan, Elena-Simona (Editor); Sand, Stephan (Editor); Hurskainen, Heikki (Editor) / GALILEO Positioning Technology.
Research output: Scientific - peer-review › Anthology

Eerola, Ville; Nurmi, Jari / High-level parameterizable area estimation modeling for ASIC designs.
Research output: Scientific - peer-review › Article

Virtanen, Janne; Matilainen, Lauri; Salminen, Erno; Hämäläinen, Timo D / Implementation of Multicore Communications API.
Research output: Scientific - peer-review › Conference contribution

Research output: Scientific - peer-review › Conference contribution

Anjum, Omer; Ahonen, Tapani; Nurmi, Jari / MPSoC based on Transport Triggered Architecture for Baseband Processing of an LTE Receiver.
Research output: Scientific - peer-review › Article

Nurmi, Jari; Della Rosa, Francescantonio; Lohan, Elena-Simona / MULTI-POS - Multi-technology Positioning Professionals Training Network.

Research output: Scientific - peer-review › Conference contribution


Research output: Scientific - peer-review › Chapter


Research output: Scientific - peer-review › Special issue


Research output: Scientific - peer-review › Conference contribution

Campi, Fabio; Neal, Vivian; Airoldi, Roberto; Nurmi, Jari / **Training communication skills in project-oriented microelectronics courses.** 10th European Workshop on Microelectronics Education (EWME), 14-16 May 2014, Tallinn. Institute of Electrical and Electronics Engineers IEEE, 2014. p. 16-20.

Research output: Scientific - peer-review › Conference contribution


Research output: Scientific - peer-review › Article