Research output: Scientific - peer-review » Article

Proc. 2017 IEEE Nordic Circuits and Systems Conference (NORCAS). / Nurmi, Jari (Editor); Vesterbacka, Mark (Editor); Wikner, J. Jacob (Editor); Alvandpour, Atiya (Editor); Nielsen-Lonn, Martin (Editor); Nielsen, Ivan Ring (Editor).
Research output: Scientific - peer-review » Anthology

MergeTree : A Fast Hardware HLBVH Constructor for Animated Ray Tracing. / Viitanen, Timo; Koskela, Matias; Jääskeläinen, Pekka; Kultala, Heikki; Takala, Jarmo.
Research output: Scientific - peer-review » Article

Fast Hardware Construction and Refitting of Quantized Bounding Volume Hierarchies. / Viitanen, Timo; Koskela, Matias; Jääskeläinen, Pekka; Immonen, Kalle; Takala, Jarmo.
Research output: Scientific - peer-review » Article

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

Research output: Scientific - peer-review » Anthology

Research output: Scientific - peer-review » Article

Design and Implementation of IEEE 802.11a/g Receiver Blocks on a Coarse-Grained Reconfigurable Array. / Nouri, Sajjad; Hussain, Waqar; Göhringer, Diana; Nurmi, Jari.
Research output: Scientific - peer-review » Chapter

Design Transformation from a Single-Core to a Multi-Core Architecture Targeting Massively Parallel Signal Processing Algorithms. / Hussain, Waqar; Hoffmann, Henry; Ahonen, Tapani; Nurmi, Jari.
Research output: Scientific - peer-review » Chapter

Efficient fast-convolution based implementation of 5G waveform processing using circular convolution decomposition. / Loulou, Alaa; Yli-Kaakinen, Juha; Renfors, Markku.
Research output: Scientific - peer-review » Conference contribution

Filtered multitone multicarrier modulation with partially overlapping sub-channels. / Shao, Kai; Pi, Luping; Yli-Kaakinen, Juha; Renfors, Markku.
Research output: Scientific - peer-review » Conference contribution
Constant-rate clock recovery and jitter measurement on deep memory waveforms using dataflow. / Liu, Y.; Barford, L.; Bhattacharyya, S.S.
Research output: Scientific - peer-review › Conference contribution

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

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

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

An efficient GPU implementation of a multirate resampler for multi-carrier systems. / Kim, Scott C.; Bhattacharyya, Shuvra S.
Research output: Scientific - peer-review › Conference contribution

Design and Implementation of a Power-aware FFT Core for OFDM-based DSA-enabled Cognitive Radios. / Airoldi, Roberto; Campi, Fabio; Cucchi, Manuele; Revanna, Deepak; Anjum, Omer; Numi, Jari.
Research output: Scientific - peer-review › Article

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

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

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

Pedestrian Localization in Moving Platforms Using Dead Reckoning, Particle Filtering and Map Matching. / Bojja, Jayapradas; Collin, Jussi; Särkkä, Simo; Takala, Jarmo.
Research output: Scientific - peer-review › Conference contribution
Hand-grip impact on range-based cooperative positioning. / Della Rosa, Francescantonio; Paakki, Tommi; Nurmi, Jari; Pelosi, Mauro; Della Rosa, Gianluca.
Research output: Scientific - peer-review › Conference contribution

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

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

Improving UX work in Scrum Development: A Three-Year Follow-Up Study in a Company. / Kuusinen, Kati.
Research output: Scientific - peer-review › Conference contribution

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

MULTI-POS - Multi-technology Positioning Professionals Training Network. / Nurmi, Jari; Della Rosa, Francescantonio; Lohan, Elena-Simona.
Research output: Scientific - peer-review › Conference contribution

PVT Computation Issues in Mixed Galileo/GPS Reception. / Paakki, Tommi; Della Rosa, Francescantonio; Nurmi, Jari.
Research output: Scientific - peer-review › Chapter

Software Simulators and Multi-Frequency Test Scenarios for GALILEO. / Thombre, Sarang; Nurmi, Jari.
Research output: Scientific - peer-review › Chapter

Special Issue on Embedded Computer Systems: Architectures, Modeling and Simulation. / McAllister, John; Guevorkian, David; Jeschke, Hartwig; Sima, Mihai.
Research output: Scientific - peer-review › Special issue

Research output: Scientific - peer-review › Conference contribution

Training communication skills in project-oriented microelectronics courses. / Campi, Fabio; Neal, Vivian; Airoldi, Roberto; Nurmi, Jari.
Transport triggered architecture to perform carrier synchronization for LTE. / Anjum, Omer; Ali, Mubashir; Pitkänen, Teemu; Nurmi, Jari.
Research output: Scientific › peer-review › Article