Dominian Tamas-Selicean

Publications:

**Design of Mixed-Criticality Applications on Distributed Real-Time Systems**
Publication: Research › Ph.D. thesis – Annual report year: 2015

**Design Optimization of Mixed-Criticality Real-Time Embedded Systems**
Publication: Research - peer-review › Journal article – Annual report year: 2015

**Design optimization of TTEthernet-based distributed real-time systems**
Publication: Research - peer-review › Journal article – Annual report year: 2014

**Fault-Tolerant Topology Selection for TTEthernet Networks**
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

**Timing Analysis of Rate Constrained Traffic for the TTEthernet Communication Protocol**
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

**Optimization of Partitioned Architectures to Support Soft Real-Time Applications**
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

**Optimization of TTEthernet Networks to Support Best-Effort Traffic**
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

**Fourier Transform Spectrometer Controller for Partitioned Architectures**
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

**Analysis and Optimization of Mixed-Criticality Applications on Partitioned Distributed Architectures**
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

**Synthesis of Communication Schedules for TTEthernet-Based Mixed-Criticality Systems**
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

**Task Mapping and Partition Allocation for Mixed-Criticality Real-Time Systems**
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

**Timing Analysis of Mixed-Criticality Hard Real-Time Applications Implemented on Distributed Partitioned Architectures**
Publication: Research - peer-review › Paper – Annual report year: 2013

**Design Optimization of Mixed-Criticality Real-Time Applications on Cost-Constrained Partitioned Architectures**
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

**Optimization of Time-Partitions for Mixed-Criticality Real-Time Distributed Embedded Systems**
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

Projects:
Synthesis of Mixed-Criticality Applications on Multi-Core Systems to Reduce Certification Costs
Project: PhD