

Table of Contents

Session: Multicore and Distributed Systems

Experience with the Integration of Distribution Middleware into Partitioned Systems	1
<i>Héctor Pérez and J. Javier Gutiérrez</i>	
Tasklettes – A Fine Grained Parallelism for Ada on Multicores	17
<i>Stephen Michell, Brad Moore, and Luís Miguel Pinho</i>	
Model-Based Deployment of Mission-Critical Spacecraft Applications on Multicore Processors	35
<i>J. Reinier van Kampenhout and Robert Hilbrich</i>	

Session: Ada and Spark

A SPARK/Ada CubeSat Control Program	51
<i>Carl Brandon and Peter Chapin</i>	
Lady Ada Mediates Peace Treaty in Endianness War	65
<i>Thomas Quinot and Eric Botcazou</i>	

Session: Dependability

Provably Secure DNS: A Case Study in Reliable Software	81
<i>Barry Fagin and Martin Carlisle</i>	
Using Ontologies in the Integration of Structural, Functional, and Process Perspectives in the Development of Safety Critical Systems	95
<i>Irene Bicchierai, Giacomo Bucci, Carlo Nocentini, and Enrico Vicario</i>	
Measuring the Odds of Statements Being Faulty	109
<i>Xiaozhen Xue and Akbar Siami Namin</i>	

Session: Real-Time Systems

A Model-Based Framework for Developing Real-Time Safety Ada Systems	127
<i>Emilio Salazar, Alejandro Alonso, Miguel A. de Miguel, and Juan A. de la Puente</i>	
Towards a Time-Composable Operating System	143
<i>Andrea Baldovin, Enrico Mezzetti, and Tullio Vardanega</i>	

Worst-Case Execution Time Analysis Approach for Safety-Critical
Airborne Software..... 161
 Esteban Asensio, Ismael Lafoz, Andrew Coombes, and Julian Navas

Author Index..... 177