Table of Contents

1st Workshop on Complex Problems over High Performance Computing Architectures (CPHPCA)

1. Performance Optimizations for an Automatic Target Generation Process in Hyperspectral Analysis
   Fernando Sierra-Pajuelo, Abel Paz-Gallardo, Antonio Plaza

2. Full-Overlapped Concurrent Kernels
   Pedro Valero-Lara, Fernando L. Pelayo

2nd International Workshop on Multi-Objective Many-Core Design (MOMAC)

1. Floating Point Units Efficiency in Multi-Core Processors
   Alexandre Aminot, Yves Lhuillier, Andrea Castagnetti, Henri-Pierre Charles

2. On the Synthesis and Reconfiguration of Pipelines
   Diogo Telmo Neves, Rui C. Gonçalves

3. Multi-Objective Aware Communication Optimization for Resource-Restricted Embedded Systems
   Olaf Neugebauer, Peter Marwedel, Michael Engel

4. Position Paper: Real-Time Task Migration on Many-Core Processors
   Peter Munk, Björn Saballus, Jan Richling, Hans-Ulrich Heiß

5. Position Paper: Towards Hardware-Assisted Decentralized Mapping of Applications for Heterogeneous NoC Architectures
   Andreas Weichslgartner, Jan Heißwolf, Aurang Zaib, Thomas Wild, Andreas Herkersdorf, Jürgen Becker, Jürgen Teich

3rd International Workshop on Self-optimisation in Organic and Autonomic Computing Systems (SAOS)

1. Measuring Self-Organisation in Distributed Systems by External Observation
   Jan Kantert, Sven Tomforde, Christian Müller-Schloer

2. A Systematic Study on Forecasting of Traffic Flows with Artificial Neural Networks
   Matthias Sommer, Sven Tomforde, Jörg Hähner

3. Active Learning for Abstract Models of Collectives
   Alexander Schiendorfer, Christoph Lassner, Gerrit Anders, Wolfgang Reif, and Rainer Lienhart

   Stefan Rudolph, Sven Tomforde, Bernhard Sick, Henner Heck, Arno Wacker, Jörg Hähner

5. Adaptive Channel Selection for Interference Reduction in Wireless Sensor Networks
   Georg von Zengen, Felix Büssing, Wolf-Bastian Pöttner and Lars Wolf

   Nizar Msadek, Alexander Stegmeier, Rolf Kiefhaber, Theo Ungerer

7. Public Space Ambient Intelligence Systems: Benefits, Approaches and Challenges
   Adnan Al-Anbuky, Stefan Rudolph, Jörg Hähner, and Sven Tomforde

8. Runtime Self-Integration as Key Challenge for Mastering Interwoven Systems
   Jörg Hähner, Uwe Brinkschulte, Paul Lukowicz, Sanaz Mostaghim, Bernhard Sick, Sven Tomforde
11th Workshop on Dependability and Fault Tolerance (VERFE)

1. **ESSEN - An Efficient Single Round Signature Protected Message Exchange Agreement Protocol for Wireless Distributed Networks**
   *Omar Bousbiba*

2. **Cross-Layer Dependency Analysis for Safety-Critical Systems Design**
   *Mischa Moestl, Rolf Ernst*

3. **Model Checker-Based Delay Fault Testing of Sequential Circuits**
   *Savas Takan, Berkin Guler, Tolga Ayav*

4. **Error Detection Codes for Arbitrary Errors Modeled by Error Graphs**
   *Günther Nieß, Thomas Kern, Michael Gössel*

5. **Reliability Impact of Data Deduplication Techniques**
   *Peter Sobe*

6. **A Framework for Adaptive Software-Based Reliability in COTS Many-Core Processors**
   *Mohammad Shadi Alhakeem, Peter Munk, Raphael Lisicki, Helge Parzyjegla, and Gero Mühl*

7. **Dependable Systems Modeling and Reliability Property Evaluation by Model Checking**
   *Martin Größl*

8. **Regular Expressions for Fault Handling in Sequential Circuits**
   *Fevzi Belli*