



2nd International Workshop on Real-Time and Distributed Computing in Emerging Applications (REACTION)

Sessions: Salon F

Lunch: Tuscany Room

9:00 – 9:10

Welcome by the Program Chairs

Tommaso Cucinotta, Bell Laboratories, Alcatel-Lucent

9:10 – 10:00

Keynote talk: Adaptive Resource Allocation in the Cloud

Srikanth Kandula, Microsoft Research, Redmond

Session A:

Middleware and distributed systems

10:00 – 10:30

Experimental evaluation of the real-time performance of publish-subscribe middlewares

Tizar Rizano, Luca Abeni and Luigi Palopoli

10:30 – 11:00

Coffee break

11:00 – 11:30

Towards the integration of data-centric distribution technology into partitioned embedded systems

Héctor Pérez and J. Javier Gutiérrez

11:30 – 12:00

Benchmarking communication middleware for cloud computing virtualizers

Marisol García-Valls, Pablo Basanta-Val and Rosbel Serrano-Torres

Session B:

Scheduling in distributed systems and multiprocessors

12:00 – 12:30

A feasible configuration of AFDX Networks for Real-Time Flows in Avionics Systems

Dongha An, Hyun Wook Jeon, Kyong Hoon Kim and Ki-Il Kim

12:30 – 14:00

Lunch break

14:00 – 14:30

Task partitioning and priority assignment for hard real-time distributed systems

Ricardo Garibay-Martínez, Geoffrey Nelissen, Luis Lino Ferreira, Luís Miguel Pinho

Session C:

Cloud Computing

14:30 – 15:00

Run-time support for real-time multimedia in the cloud

Tommaso Cucinotta, Karsten Oberle, Manuel Stein, Peter Domschitz and Sape Mullender

15:00 – 15:30

Resource management for service level aware cloud applications

Cristian Klein, Martina Maggio, Karl-Erik Arzén and Francisco Hernández

15:30 – 16:00

Coffee break