

ARTES++ Travel Report to NeRES 2007

Networks for Reconfigurable Embedded Systems

Workshop in Aveiro, Portugal, April 2nd

About the Event

The NeRES workshop was a one-day informal workshop arranged in Aveiro, Portugal with participants from all over Europe.

The topic of the workshop was reconfigurable embedded systems – of which several different aspects were covered, both from an academic viewpoint and from the industrial perspective.

Several subtopics were the main focus of the workshop: motivations, interests and challenges of reconfigurability in distributed real-time embedded systems; network requirements to support reconfigurability in a safe way, adequacy of existing protocols and middlewares; real-time communication (including deducing further requirements) in highly flexible networks.

Diverse areas related to these areas were covered by the presentations – everything from middlewares and component models enabling reconfigurable networked systems, over networking technologies to sensor networks and challenges in industry.

My Contribution and Experiences

One of the twelve presentations held at the workshop was mine - I introduced the research my research group currently is involved in with the presentation "Dynamically Self-Configurable Automotive Systems". This research is very closely related to the topic of the workshop.

To me this was my very first international academic event, and it was very nice to have a chance to learn more about other researchers' approaches to reconfigurability in networked embedded systems.

Conclusion and Outcome

The event was very interesting and gave me a lot of new viewpoints on the research I'm currently doing. All of the presentations have since the workshop been put online on the webpage for the workshop. A jointly authored report will also be written about the conclusions and joint experiences from the workshop and be put on the workshop webpage.

Additionally, it was very nice to get a chance to see the Iberian Peninsula for the very first time. As I flew down to Portugal one day early I had a chance to enjoy a sunny warm spring's day in Lisbon before the event.

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NeRES 2007 website: <http://www.artist-embedded.org/artist/Motivation-and-Goal.html>