

# ARTES++ Travel Report

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Moris H. Behnam,

Mälardalen Real Time Research Center (MRTC)

[Moris.behnam@mdh.se](mailto:Moris.behnam@mdh.se)

## RTSS 06 conference

RTSS 2006 is the top international symposium of the real-time systems research community. The conference was held in Rio, Brazil. The scope of the conference is to provide a forum for the presentation of high quality, original research in several areas of real-time computing, including scheduling; control and adaptive RT systems theory; testing and debugging; modeling; formal methods; communications (wireless, wireline, and sensor networks); power, thermal and energy management; embedded systems; sensor and implantable devices; robustness; fault tolerance and robustness; intelligent behavior; time-sensitive robotics; emergency/disaster management; embedded real-time systems and infrastructures; QoS support; real-time systems middleware.

There were three additional sessions,

- 1- Workshop on Model and Analysis Methods for Automotive Systems.
- 2- Work in Progress session.
- 3- Special Activity (Cyber robotic competition).

## Contribution

My contribution to this conference was a working in progress paper titled **Real-Time Subsystem Integration in the Presence of Shared Resources**, and I gave a 5 minutes presentation. In this paper we addressed the difficulties when integrating independently developed real time subsystems with sharing logical resources problem. We proposed a two-level hierarchical framework that allows for an easier integration process without violating the timing requirements.

My overall impression is that this conference was very good and useful with so many interesting papers and works, especially the following papers which are close to my research area,

- RESOURCE SHARING IN HIERARCHICAL FIXED PRIORITY PRE-EMPTIVE SYSTEMS by Robert Davis and Alan Burns. This paper focus on resource sharing in hierarchical fixed priority preemptive systems.
- RESOURCE SHARING IN EDF-SCHEDULED SYSTEMS: A CLOSER LOOK by Sanjoy Baruah. This paper takes a closer look at EDF-scheduled systems in which access to logical shared resources is synchronized by the stack resource policy SRP.

## Rio de Janeiro

Rio is a very wonderful city with its beaches, mountains and historic past. We visited the Corcovado, which is the big statue of the Christ, overlooking the city with a great view. We also went to Jardim Botânico the botanical gardens of Rio de Janeiro and the most exciting activity was the jeep tour in Rio “Enter the Tijuca Rain Forest on an open jeep where is possible to see the contrast between the Stone jungle and a tropical forest in the middle of a big city”. And of course I didn’t miss the Samba show.

