

“4th Artist SouthAmerican School for Embedded Systems”

Summary report

May 31, 2010

Venue and local organization. The School took place May 26-28, 2010 at the Convention Center of the Federal University of Rio Grande do Sul (UFRGS), Gramado, Brazil. It was colocated with two one-day workshops: the Real-Time Systems Workshop (May 24) and the Embedded Systems Workshop (May 25), conforming the First South-American Embedded and Real-Time Systems Week. It was organized in parallel with the Brazilian Symposium on Computer Networks and Distributed Systems, SBRC 2010 (<http://sbrc2010.inf.ufrgs.br/index.php/en>).

Programme. The programme consisted in 4 5-hour-long courses:

- *Distributed Cyber-physical Systems* by Tarek Abdelzaher, University of Illinois at Urbana-Champaign (UIUC), USA;
- *The Future of Embedded Systems: Cyber Physical Systems or Cyber Biosphere?* by Franz Rammig, Universität Paderborn, Germany;
- *Code generation of embedded systems: some issues, approaches and open problems* by Sergio Yovine, CNRS-VERIMAG and CONICET-UBA, Argentina;
- *Embedded Distributed Processing Systems: From Reconfigurable Computing to MPSoCs* by Gilles Sassatelli, LIRMM, France.

Participants. There were a total of 53 registered participants who were regularly present every day. Participants came from all over Brazil (15 universities and research centers were represented). 70% were students and 30% Faculty members and Research engineers in related technology areas. The scientific level of PhD and Master students was very good (many of them have already published scientific papers in conferences).

Financial support. Besides ARTIST financial support to cover lecturers' travel and local expenses, organization costs were covered by SBRC funds.

Concluding remarks. This fourth edition was very successful, achieving the goals of the School of promoting scientific and academic cooperations in embedded systems among participants, including master and doctorate students:

- The courses were interactive and generated discussions, during the courses, coffee breaks and lunches, between participants and speakers.
- There were some meetings to discuss potential cooperative research projects.
- The joint organization with SBRC was positive:
 - allowing contacts between embedded systems researchers and network and distributed systems ones,
 - helping to attract participants from all over Brazil.
- The location of the School and two one-day Workshops in the same week, was very important to allow research presentations in real time and embedded system areas and facilitate contacts among students, south-american professors and foreign lecturers.

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