

# “3rd ArtistDesign SouthAmerican School for Embedded Systems”

## Summary report

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**Venue and local organization.** The school took place August 3-8, 2009 at the Department of Computer Science of Facultad de Ciencias Exactas y Naturales of Universidad de Buenos Aires, Argentina (UBA). It was organized in conjunction with the Escuela de Ciencias Informáticas (ECI), annually held at UBA since 1987 (<http://www.dc.uba.ar/events/eci/2009/>).

**Programme.** The programme consisted in 2 daily 3-hour-long courses:

**9am-12am.** *Explicit, Dynamic Memory Management with Temporal and Spatial Guarantees*, by Christoph Kirsch, Department of Computer Sciences, University of Salzburg.

**2pm-5pm.** *MaRTE OS: POSIX operating system for real-time embedded applications*, by Mario Aldea Rivas, Universidad de Cantabria.

**Participants.** There were a total of 35 participants who were regularly present every day. Participants came from all over Argentina. There was a fair distribution of PhD, Master, and undergraduate students, and Faculty members. The academic level of all students was recognised to be very good (many of them have already published scientific papers in conferences of the field).

There were participants from Research Centers and Labs in related technology areas, such as radio-astronomy and transportation.

Most participants work as Research Engineers in the ICT industry. In particular, there were participants from the government-owned corporation ARSAT, devoted to engineering and development of national satellites, and Core Security, a private company providing security testing software solutions.

**Financial support.** Besides ArtistDesign financial support to cover lecturers' travel and local expenses, organization costs and printing materials were covered via ECI funds.

**Concluding remarks.** This third edition was very successful.

- The courses were very interactive. They have generated lively discussions, during the courses and at coffee breaks and lunches, between participants and speakers. Moreover, interactions continued afterwards by e-mail.
- The joint organization with ECI proved to be positive, since it helped:
  - establishing cross-links between embedded systems' research and other ICT and related areas, and
  - attracting participants from all over Argentina, in particular from several leading companies and research labs.
- There were several meetings to discuss potential cooperative research projects in the areas of dynamic memory management and real-time embedded operating systems, including co-directing PhD and Masters' students.