



Introduction

“Embedded System” refers to electronic systems which include some data processing capability. As opposed to general purpose computers, they are usually designed for a specific purpose. Some examples are watches, MP3 players, cell phones, routers or automotive control units. The “brain” in an embedded systems is typically a microcontroller, although data can also be processed by a DSP, an FPGA, or an ASIC. The system design is usually optimized to reduce size, cost or power, and improve its reliability and performance.

Objectives

CASE specific objectives are:

- Act as a gathering point for researchers and students to encourage networking and collaboration.
- Present the latest scientific and technological advances to the academic community.
- Enable the presentation and discussion of research topics focused on embedded systems.
- Encourage advanced students to pursue research topics in the area of embedded systems.
- Present the research projects through the conference web site.
- Coordinate and keep undergraduate and graduate level courses and programs in Argentina's universities up to date.

Topics of Interest

ASICs, Microcontroller architecture, DSPs, Space electronics, FPGAs, Embedded Linux, Low-power, Robotics, RTOS, Softcores, Embedded software, Hardware description languages, and any other relevant embedded system topic.

Paper and poster presentations

Original contributions for the categories “paper presentation” and “poster presentation” will be received according to the guidelines published at www.sase.com.ar. Accepted papers and posters will be published in the conference web site.

Scholarship applications and lodging

Scholarships in the following categories will be awarded according to fund availability 1) Undergraduate students, 2) Graduate students, 3) University professors and 4) Researchers

Scholarship application forms will be published in the conference web page www.sase.com.ar

Important Dates

- | | |
|---------------------------------|----------------------------|
| • Aug 30, 2010 to Oct 22, 2010: | Paper submission |
| • Nov 15, 2010: | Notification of acceptance |
| • Dec 15, 2010: | Final paper submission |
| • March 2 to 4, 2011: | Conference |

Organizing committee

- | | | |
|--|-----------------------------------|-----------------------------------|
| • Dra. Patricia Borensztein (FCEN-UBA) | • Msc. Guillermo Guichal (Emtech) | • Dr. Leonardo Rey Vega (FIUBA) |
| • Ing. Diego Brengi (INTI) | • Dr. Pedro Julián (UNS) | • Ing. Aníbal Romandetta (UNTreF) |
| • Ing. Julián Bruno (UTN-FRBA) | • Dra. Hilda Larrondo (UNMDP) | • Dr. Ricardo Sánchez Peña (ITBA) |
| • Ing. Milton Castro Genovese (UNTreF) | • Dr. José Lipovetzky (FIUBA) | • Ing. Gerardo Sager (UNLP) |
| • Dr. Armentano Feijoo (UTN-FRBA) | • Dr. Ariel Lutenberg (FIUBA) | • Msc. Cristian Sisterna (UNSJ) |
| • Dr. Claudio Delrieux (UNS) | • Dr. Mario Mastriani (UNTreF) | • Dr. Elías Todorovich (UNICEN) |
| • Dra. Luciana De Micco (UNMDP) | • Dr. Pablo Mandolesi (UNS) | • Ing. Salvador Tropea (INTI) |
| • Ing. Alejandro Furfaro (UTN-FRBA) | • Ing. Gustavo Mercado (UTN-FRM) | • Ing. Ignacio Zaradnick (UNLaM) |