



IEEE



NUCLEAR &
PLASMA SCIENCES
SOCIETY

17th REAL-TIME CONFERENCE

IEEE-NPSS TECHNICAL COMMITTEE
ON
COMPUTER APPLICATIONS IN NUCLEAR AND PLASMA SCIENCES

24-28 May 2010, Lisboa, Portugal

The forthcoming 17th IEEE Real Time Conference (RT-2010) will be held from 24 to 28 May 2010, in Lisboa, at the Congress Centre of “Instituto Superior Técnico”, the largest Portuguese engineering school (www.ist.utl.pt). RT-2010 is organized by “Instituto de Plasmas e Fusão Nuclear” (IPFN) (www.ipfn.ist.utl.pt) and “Laboratório de Instrumentação e Física Experimental de Partículas (LIP) (www.lip.pt), two Associated Laboratories of “Fundação para a Ciência e Tecnologia”, the funding research agency of the Portuguese Ministry of Science, Technology and Higher Education.

Like the previous editions, RT-2010 will be a multidisciplinary conference devoted to the latest developments on real time techniques in the fields of particle physics, plasma and nuclear fusion, nuclear physics and astrophysics, space science, accelerators, medical physics and other radiation instrumentation.

The conference philosophy is to have only plenary sessions. Mini-orals will continue to be arranged for posters as in past. All this taken together lays the ground for an extremely stimulating environment, ample opportunity for discussions and fruitful exchanges particularly for young scientists and engineers

In addition, we intend to organize some dedicated events like real time exhibits, refreshing courses, tutorials and topical workshop on hot subjects like, for instance, ATCA.

The list of conference topics includes:

- Ultra Fast Analog and Timing Converter and Digitizer
- Front-end Signal Processing
- Reconfigurable Hardware
- Real Time System Architectures
- Trigger and Data Acquisition
- High Level Triggers

- Event Building and Fast Networks
- High Speed Synchronous Control
- Online Processing Farms
- Online Databases
- Control and Monitoring Systems
- Emerging Real Time Technologies
- New standards (ATCA)

Please, find more information at the conference Web site

<http://rt2010.ipfn.ist.utl.pt>

Submission of abstracts for oral presentations and posters will be open in due time in the Web site. The submission deadline of an abstract of about 2000 characters is March 1st, 2009.

Hosted by:



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