



21st IEEE Real Time Conference – Williamsburg, Virginia, USA

Woodlands Conference Center

11-16 June, 2018

First Announcement and Call for Abstracts

Abstract Submission Deadline: **February 2, 2018**

The IEEE Nuclear and Plasma Sciences Society (NPSS) and its technical committee on Computer Applications in Nuclear and Plasma Sciences (CANPS) announce the 21st Real Time Conference (RT2018), an interdisciplinary conference devoted to the latest developments of real time computing, data acquisition, transport and processing techniques in the related fields including - nuclear and particle physics, nuclear fusion and nuclear power instrumentation, astrophysics and space instrumentation, medical physics and imaging, real time security and safety and general radiation instrumentation.

The upcoming RT2018 conference will be held in historic Colonial Williamsburg, Virginia, USA from Monday June 11 through Friday June 16, with a pre conference program happening both Saturday and Sunday June 9-10.

As in previous editions, RT2018 will hold only plenary sessions. In addition, mini-orals will be arranged for many of the poster submissions. This allows for a more engaged and stimulating environment for discussion and exchange, particularly for students and younger scientists and engineers. Papers submitted at the conference will have the option for peer review and if accepted will be published in the **IEEE Transactions on Nuclear Science** journal.

<https://indico.cern.ch/e/rt2018>

Select conference topics include:

Data Acquisition

Trigger Systems

Emerging Technologies

New Standards

Feedback on Experiences

Realtime Architectures

Processing Farms

Control/Monitoring

Upgrades

Realtime Simulation

Fast Digitizers

Intelligent Signal Processing

Fast Links & Networks

Programmable Devices

Realtime Safety & Security

We welcome correspondence to inquire how your research might fit within our program. Submission of abstracts for both oral and poster presentations is now open. All details including key dates and submission guidelines can be found on the conference website. Please consider joining us. On behalf of the CANPS committee we look forward to welcoming you to Williamsburg in June 2018.

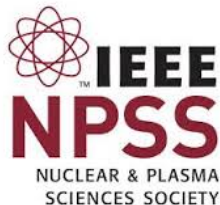
David J Abbott, General Chair RT2018

Jefferson Lab

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Conference website: <https://indico.cern.ch/e/rt2018>

This conference is supported by:



<https://indico.cern.ch/e/rt2018>