

Publication of Conference Papers in the **T**ransactions on **N**uclear **S**cience and **C**onference **R**ecords

General Remarks
Submission and Review

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- You can find all info in the indico website

- Overview
- Important Dates
- Timetable
 - Week overview (public)
- Scientific Program
- IEEE/ NPSS Membership Info
- Industrial Program
- Conference Organizers
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- Student Paper Awards
- NPSS Early Career Conference Credits
- Non Discrimination Code of Conduct
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23rd IEEE Real Time Conference


[⇔ Link to Plenary Session \(Zoom\)](#)

Virtual Conference

The IEEE Nuclear and Plasma Sciences Society (NPSS) and its technical committee, Computer Applications in Nuclear and Plasma Sciences (CANPS) are pleased to announce the 23rd Real Time Conference. RT2022 is an interdisciplinary conference focusing on the latest developments in real time computing, data acquisition, transport and processing techniques in related fields including: nuclear and particle physics, nuclear fusion and plasma science, medical physics and imaging, astrophysics and space instrumentation as well as accelerators and control systems.

Due to the lingering complications of international travel with the ongoing pandemic, the upcoming RT2022 conference will be held in a fully virtual format. The committee is hopeful that this will help facilitate participation for both regular and potential new attendees. Like previous editions, RT2022 will hold primarily plenary sessions. In addition, recorded mini-orals will be offered for all the accepted poster submissions. All papers submitted at the conference will have the option for peer review, and if accepted, will be published in a special edition of the [IEEE Transactions on Nuclear Science](#) journal.

The conference will provide an opportunity for scientists, engineers, and students from all over the world to share the latest research and developments. This event also attracts relevant industries, integrating a broad spectrum of computing applications and technology.

 Starts Aug 1, 2022, 6:00 AM
Ends Aug 5, 2022, 10:59 PM

 [RT2022_poster.pdf](#)

Conference Record and Transactions on Nuclear Science

- Contributed papers must be uploaded to the **Conference Record** (CR) published in the *Indico Conference website* with restricted access to the conference participants only

In addition

- Authors may submit their papers to **IEEE Transactions on Nuclear Science (TNS)**. Acceptance is not automatic:
 - The papers will be fully reviewed to the standards of the scholarly literature. Publication of accepted manuscripts will occur in a special issue of TNS, typically published 10 months after the conference

Transactions on Nuclear Science

- IEEE peer-reviewed journal
 - usually 3 reviewers for a RT paper
- published monthly
- covers the fields of
 - Real time computing
 - nuclear and space radiation aspects
 - radiation instrumentation
 - medical imaging computing, as well as
- conference contributions, e.g.
 - IEEE Real Time and IEEE NSS/MIC

Real Time 2022 Conference Issue

- Who can submit a paper to the TNS Conference Issue for RT2022?
 - Authors of papers accepted for presentation at the conference
 - Oral and poster presentations are eligible
 - Only papers actually presented are considered
 - no-shows at the conference are excluded

Real Time 2022 Conference Issue Requirements

- The paper must be a presentation of
 - results of measurements or
 - achievements of lasting value and
 - not just a status report
- **The paper must not have been published elsewhere. the copyright must be granted**
- The format ***Submission deadline*** to be found on the conference website ***22 August 2022***
 - <https://ieeexplore.org/publications/transactions-on-nuclear-science/>
- Paper size can be up to 8 pages; More pages with permission of the senior editor
- Papers should be “good English”

Real Time 2022 Conference Issue

- Submission Notes
 - <http://mc.manuscriptcentral.com/tns-ieee>
 - Manuscript Type: Real Time Conference (**available from 2 August 2022**)
- Paper Category: Conference Track Name
- When your manuscript is ready, check it through the [IEEE PDF Checker](#).
- Note differences between
 - Conference Record and
 - Conference Issue (TNS)

Open Access

- TNS is a hybrid journal. If your paper is accepted for publication, you can choose to have it published **open access** upon commitment to pay the current open access fee, and after you execute the appropriate CC-BY license.
- If you do not publish open access, you will be asked to execute a **copyright transfer agreement**


TNS and Conference Record

- The conference record (CR) will be maintained in the RT2022 Indico website
- **with restricted access to the conference participants only**
- All authors must upload their manuscripts to the CR
- The same manuscript uploaded to the CR can be uploaded for peer review to the IEEE TNS through manuscript central

Conference Records

- Please, prepare your manuscript as for the submission to TNS
- Upload it to the “your contribution” webpage in indico
- Please, name the file ***CD#nr_authorSurname***, where
- *nr* is the number assigned to your paper (see contribution list or the acceptance notification email)
- ***authorSurname*** is the surname of the primary author (lowercase)
 - Example: the file for the CR of the paper

130. Neutron Single Event Effects In Advanced Micro-Nano-Electronics - Tests Standards And Applications In Avionics, In Physics Or Fusion Research and Radiotherapy Facilities

 LERAY, Jean-Luc (CEA/Consultant)

- Must be named ***CD#130_leray***

Conference Records

- Any questions?
- In you need help for paper submission, you can ask questions to
 - ieee-tns-rt@igi.cnr.it