



RADECS 2025

RADIATION Effects on Components and Systems Conference

29 September - 3 October

ANTWERP
Belgium

CALL FOR PAPERS

GENERAL CHAIRS

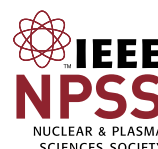
Paul Leroux (KU Leuven, Belgium)

Sylvain Girard (Université Jean Monnet Saint-Étienne, France)

TECHNICAL CHAIRS

Jeffrey Prinzie (KU Leuven, Belgium)

Frédéric Wrobel (Université de Montpellier, France)



KU LEUVEN

CALL FOR PAPERS

The 2025 edition of the RADiation Effects on Components and Systems (RADECS) Conference will be held on September 29 – October 3 at A Room with a ZOO in Antwerp (Belgium).

It is organized by KU Leuven on behalf of the RADECS Association and is technically co-sponsored by the IEEE-NPSS.

The RADECS 2025 Conference is soliciting papers describing significant new findings or developments in the following areas:

- Basic Mechanisms of Radiation Effects
- Radiation Effects in Devices and Integrated Circuits:
 - Total Ionizing Dose (TID)
 - Total Non-Ionizing Dose (TNID)
 - Synergistic Effects
 - Single Event Effects (SEE)
- Radiation Environments
- Radiation Test Facilities & Dosimetry
- Radiation Hardening Techniques (Device, board and system level)
- Radiation Hardness Assurance
- Radiation Effects in Photonics, Optoelectronics and Sensors
- Radiation Effects in Complex Devices and Systems

Submission opening
BEGINNING 2025

Abstract submission deadline
11 APRIL 2025

Authors are prompted to state their preference for presentation (oral, poster, or data workshop poster) and for session.

The final category of all papers will be determined by the Technical Committee which is responsible for selecting final papers from initial submissions. Accepted papers will be published in the RADECS 2025 Conference Proceedings.

Papers accepted for oral, and poster presentation at the technical program will be eligible for publication in a special issue of the IEEE Transactions on Nuclear Science.

Selection for this issue will be based on a separate submission of a complete paper that will be subject to the standard full peer review.

The **Radiation Effects Data Workshop** is a forum for papers on radiation effects data on electronic devices and systems. Workshop papers are intended to provide radiation response data to scientists and engineers who use electronic devices in a radiation environment, and for designers of radiation-hardened systems. Papers describing new simulation techniques and results, or radiation test facilities are also welcomed. The procedure for submitting a summary to the Workshop is identical to the procedure for submitting RADECS summaries. Radiation Effects Data Workshop papers will be published in the RADECS 2025 Conference Proceedings but are not candidates for publication in the special issue of the IEEE Transactions on Nuclear Science.

PROGRAM

The Conference program will include:

- | On Monday, a full-day short course on topics of high interest for the industry, research labs and academia
- | From Tuesday to Friday, technical sessions where the latest advancements in the field of radiation effects in components and systems will be presented
- | From Monday to Thursday, an industrial exhibition
- | A Welcome Cocktail, an Industrial Exhibit Reception, a Gala Dinner

THE CITY

The 2025 edition will take place in ANTWERP (Belgium) one of the largest cities in Belgium and the cultural capital of Flanders.

A world port, an international diamond centre, home to Rubens and a renowned fashion district, Antwerp is a dazzling and hospitable city, easy to get around, cosy and heart-warming.



© Visit Antwerpen

It is full of grand architecture, works of art and impressive monuments. In the cafés they serve the best beers and in the many restaurants food enthusiasts can enjoy the most delicious traditional and multi-cultural dishes.

THE VENUE

Next to Antwerp's Central Station, which is one of the most beautiful stations in the world, another wonder awaits you: Antwerp ZOO which is one of the oldest and most famous zoos in Europe.

A Room with a ZOO

Koningin Astridplein 20-26
2018 Antwerp (Belgium)

CONTACTS

Organizing Secretariat

SISTEMA CONGRESSI s.r.l.

Via Niccolò Tommaseo, 68 | 35131 Padova, Italy
+39 049 651699 | www.sistemacongressi.com

contact@radecs2025.org