



RADECS 2026

PRAGUE, CZECH REPUBLIC

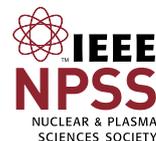
28 SEPTEMBER - 2 OCTOBER 2026

RADECS 2026: CALL FOR PAPERS

RADIATION and its Effects on Components and Systems Conference

DATE 28 SEPTEMBER -
2 OCTOBER 2026

PLACE PRAGUE
CZECH REPUBLIC



www.radecs2026.org



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General Chairs



Benedikt Bergmann
Czech Technical University
in Prague, Czech Republic



Julien Mekki
CNES, France

Technical Chairs



Laurent Artola
ONERA, France



Christer Fröjdh
Mid Sweden University, Sweden

CALL FOR PAPERS

Submission opening:
19 January 2026

Abstract submission deadline:
19 April 2026

The 2026 edition of the RADIation Effects on Components and Systems (RADECS) Conference will be held on 28 October – 2 October in Prague, Czech Republic.

It is organized by the Institute of Experimental and Applied Physics (Czech Technical University in Prague) on behalf of the RADECS Association and technically co-sponsored by IEEE-NPSS.





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The RADECS 2026 conference is soliciting papers describing significant new findings or developments in the following areas:

- Radiation Effects Modelling
 - SEE Mechanisms and Modelling
 - Simulation of radiation effects in mixed radiation environments
- Single Event Effects in Devices and Integrated Circuits
- Radiation Effects in Photonics, Optoelectronics and Sensors
- Radiation Effects in Devices and Integrated Circuits
 - Total Ionizing Dose (TID)
 - Total Non-Ionizing Dose (TNID)
 - Synergetic Effects
 - Single Event Effects (SEE)
- Radiation Effects in Complex Devices and Systems
- Radiation Hardening Techniques (Device, Board and System Level)
- Radiation Test Facilities & Dosimetry (including novel instrumentation and methods for radiation field characterization and dosimetry in space and at test-facilities)
- Basic Mechanisms of Radiation Effects (including the radiation response of wide bandgap semiconductors)
- Radiation Environments
- Radiation Hardness Assurance

Authors must conform to the following requirements:

1. Prepare a single PDF file of an informative two to four pages summary describing results appropriate for 12-minute oral or a poster presentation. The summary must include a 35-word abstract and sufficient detail about the work to permit a meaningful technical review. The summary must be no less than two and no more than four pages in length, including figures, tables, and references.

2. Prepare your summary using the two-column format of the IEEE Transactions on Nuclear Science template.

3. Obtain all corporate, sponsor, and government approvals and releases necessary for presenting your paper at an open attendance international meeting.

4. Submit your abstract in electronic form only through the RADOCS online tool <https://radocs.radecs.eu/index.php>



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

The final category of all submissions will be determined by the Technical Committee which is responsible for selecting final papers and assembling the technical agenda.

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 welcome.

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 2026 Conference Proceedings but are not candidates for publication in the special issue of the IEEE Transactions on

PROGRAM

The conference program will include:

- On Monday, a full-day Thematic Workshop titled “Measuring to Protect Future Missions: The Critical Role of Detection and Novel Dosimetry in Harsh Radiation Environments”.
- From Tuesday to Friday (noon), technical sessions where the latest advancements in the field of radiation and its effects on electronics components and systems are discussed.
- From Monday to Thursday, an industrial exhibition.
- A rich social program fostering networking, including a Welcome Reception, an Industrial Exhibit Reception, a Soccer Tournament and a Gala Dinner.



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THE CITY

**“Prague never lets you go... this dear little mother has sharp claws.”
Franz Kafka**

Prague, the capital of the Czech Republic, is often described as the “heart of Europe” for its rich cultural heritage and enduring beauty. Its diverse architectural styles – from Gothic and Baroque to Art Nouveau and modern design – have been remarkably preserved over the centuries. Visitors will experience a unique blend of history and innovation: from the majestic Prague Castle, the World’s largest ancient castle complex, to the Dancing House, representing contemporary architecture.

Besides its captivating sights, the city of Prague has become a vibrant meeting point between Eastern and Western Europe, attracting international cultural events, major scientific conferences, and film productions such as *Mission: Impossible* (1996), *The Bourne Identity* (2002), *Casino Royale* (2006), and *Amadeus* (1984). It has been home and inspiration to celebrated authors and composers like Franz Kafka, Wolfgang Amadeus Mozart, Ludwig van Beethoven, and to distinguished scientists such as Johannes Kepler, Tycho Brahe, Christian Doppler, Ernst Mach, and Albert Einstein.





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THE VENUES



The technical session and industrial exhibition will take place at the **Prague Congress Centre (PCC)**, offering an exceptional setting for the conference. The venue is located directly above Vyšehrad metro station, ensuring excellent public transport accessibility – the historical city center can be reached within just 10 minutes.



Photo: Prague City Tourism

The Thematic Workshop will take place at the historic **Bethlehem Chapel** founded in the 14th century. It is easily accessible by public transportation and located in the very heart of Prague Old Town. It is notable for its connection with the origins of the Bohemian Reformation, especially with the Czech reformer Jan Hus. The Asteroid 90892 Betlémská kaple, discovered in 1997, was named after the chapel.

CONTACT

For more information visit:
<https://radecs2026.org/>

Benedikt Bergmann, RADECS general chair,
can be reached by email at:
benedikt.bergmann@utef.cvut.cz