

EUROSOI-ULIS 2026

12th JOINT EUROSOI WORKSHOP AND INTERNATIONAL CONFERENCE ON ULTIMATE INTEGRATION ON SILICON

20 - 22 MAY 2026
Granada, Spain

Satellite events

IRDS & ISRDS



18-19th May, 2026
Granada, Spain

Scope

The conference brings together scientists and engineers to discuss SOI technology and advanced microelectronic devices.

We invite students and researchers from academia and industry to submit abstracts and join us in Granada to share knowledge and connect with colleagues.

Conference topics

1. Advanced SOI materials and structures, innovative SOI-like devices
2. Alternative transistor architectures (FDSOI, Nanowire, Nanosheet, FinFET, MuGFET, vertical MOSFET, FeFET and TFET, MEMS/NEMS, Beyond-CMOS)
3. New channel materials for CMOS (strained Si/Ge, III-V, carbon nanotubes; graphene and other 2D materials)
4. Properties of ultra-thin semiconductor films and buried oxides, defects, interface quality; thin gate dielectrics: high-k and ferroelectric materials for switches and memory
5. New functionalities and innovative devices in the More than Moore domain: nanoelectronic sensors, biosensor devices, memristors, neuromorphic computing devices, quantum computing devices, energy harvesting devices, RF devices, imagers, integrated photonics (on SOI), etc
6. Transport phenomena, compact modeling, device simulation, front- and back-end process simulation
7. CMOS scaling perspectives; device/circuit level performance evaluation; switches and memory scaling; three-dimensional integration of devices and circuits, heterogeneous integration
8. Advanced test structures and characterization techniques, parameter extraction, reliability and variability assessment techniques for new materials and novel devices
9. Memory devices, memristors, hardware for unconventional computing such as neuromorphic, in-memory, in-sensor and quantum computing

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Dive into the heart of semiconductor innovation at our IRDS-focused event.
Discover new directions in computing, and in materials and devices for computing, with expert-led sessions.

DAY 1:

- IRDS ROADMAP SUMMARIES

DAY 2:

- NEW DIRECTIONS IN COMPUTING (ISRDS)
- NEW DIRECTIONS IN MATERIALS & DEVICES FOR COMPUTING



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Important dates

- ◆ Abstract submission deadline: February 15, 2026
- ◆ Notification of acceptance: March 31, 2026
- ◆ Registration opening: March 1, 2026
- ◆ Early Bird Registration Deadline: April 20, 2026

Abstract Submission instructions

The abstract is limited to **two pages** of text. Please **underline the presenting author** in the author list and mark the corresponding author with an asterisk (*) as superscript.

- ◆ Prepare your abstract in English according to the guidelines in the template: [Template](#)
- ◆ Submit your abstract via EasyChair here: <https://easychair.org/conferences?conf=eurosoiulis2026>

Venue



Assembly Hall of the Faculty of Medicine, Tower B, Floor 1
University of Granada. PTS Parque Tecnológico de la Salud
Avda. Doctor Jesús Candel Fábregas 11, 18016 Granada

<https://medicina.ugr.es/>

Publication

Selected papers will be published as 4-page letters in a Special Issue of Solid-State Electronics (Elsevier)

Awards

- ◆ The *Androula Nassiopoulou Best Paper Award* will be attributed by the SINANO Institute
- ◆ A best poster award will be attributed by Solid-State Electronics journal (Elsevier)

Sponsors



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