

9th Joint International EuroSOI Workshop and International Conference on Ultimate Integration on Silicon (EuroSOI-ULIS) 2023

10th - 12th May 2023
Tarragona (Spain)



[EUROSUI Website](#)

The Conference aims at gathering together scientists and engineers working in academia, research centers and industry in the field of SOI technology and nanoscale devices in More-Moore and More-Than-Moore scenarios.

High quality contributions in the following areas are solicited:

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, memrisors, 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.

Original 2-page abstracts with illustrations will be reviewed by the Scientific Committee. The accepted contributions will be published as 4-page letters in a special issue of the Elsevier journal Solid-State Electronics.

Extended versions of outstanding papers will be published in a further special issue of Solid-State Electronics.

The "Androula Nassiopoulou **Best Paper Award**" will be attributed by the SINANO Institute. A **best poster award** will be attributed by ELSEVIER.

In addition, an ASCENT+ Community Workshop on Advanced Materials & Nanostructures for Disruptive Devices & Applications" will take place on May 9 2023 at the same location (free registration)

<https://www.fundacio.urv.cat/congressos/eurosoi-ulis2023/satellite-event>

Important dates:

Abstract submission deadline: ~~March 1, 2023~~ **extended deadline March 8, 2023**

Notification of acceptance: March 15, 2023

Registration and abstract submission -> [here](#)

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Organized by: University Rovira i Virgili (Spain)

Conference chair: Benjamin Iñiguez (University Rovira i Virgili, Spain)

Local organizing Committee:

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François Lime (University Rovira i Virgili, Spain)
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