SISPAD 2022

September 6-8th
Call for Papers

Technical areas

● Modeling and simulation of established semiconductor device, including FinFETs, GAA FETs, ultra-thin SOI devices, optoelectronic devices, TFTs, sensors, power electronic devices, and organic electronic devices.

● Modeling and simulation of emerging devices including tunnel FETs, SETs, spintronic devices, straintronic devices, bio-electronic devices, and new material-based devices for various applications.

● Modeling and simulation of interconnects, noise and parasitic effects.

● Modeling and simulation of all sorts of semiconductor processes, including first principles material design, and growth simulation of nano-scale fabrication.

● Advances in fundamental aspects of device modeling and simulation, including of charge, spin, and thermal transport, of collective states including spin/magnetic and charge, and of fluctuation, noise, and reliability.

● Numerical methods and algorithms, including grid generation, user-interface, and visualization.

● Compact modeling for circuit simulation, including low-power, high frequency, and power electronics applications.

● Process/device/circuit co-simulation in context with system design and verification, including for emerging devices.

● Modeling and simulation of equipment, topography, lithography.

● Benchmarking, calibration, and verification of simulators.

Conference Venue

Palacio de congresos de Granada
Paseo del Violón, 18006, Granada (Spain)
https://goo.gl/maps/ptkwd6cJSXjGygfh8

Important dates

Two-page abstract*: April 8, 2022
Notification of acceptance: May 29, 2022
Extended four-page final paper*: June 24, 2022
Early registration: July 22, 2022
Late registration: August 19, 2022

*Submissions should be made through the website.

Technical Co-Sponsorship

● Electron Device Society of the Institute of Electrical and Electronic Engineers
● Universidad de Granada

Organizing Committee

F. Gámiz, University of Granada (General Chair)
C. Medina-Bailón, University of Granada (Technical Program Chair)

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