



INTERNATIONAL SEMICONDUCTOR CONFERENCE

CAS 2024 - an IEEE event

Sinaia, Romania

October 9-11, 2024



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Invited speakers



- **Dr. Maria Losurdo**, Director of the Institute of Chemistry of Condensed Matter and of Technologies for Energy ICMATE-CNR, Italy
"Game Change by Phase Change Materials and Devices"
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- **Günter Krasser**, Vice President and Managing Director, Infineon Technologies Romania



- **Dr. Bogdan Tudor**, Director and Head of the Device Characterization Group at SILVACO, USA
"Advances in Circuit Simulation Device"

Models for Real-World Applications"

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- **Dr. Romolo Marcelli**, Research Director, CNR – IMM Institute for Microelectronics and Microsystems, Rome, Italy

"Philosophy, Art, Mathematics, and High-Frequency Applications of Triangular Shapes: from Plato to Sierpinski and beyond"

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- **Dr. Luigi Di Benedetto**, Assist. Professor, University of Salerno, Department of Industrial Engineering, Microelectronics Laboratory, Italy
- "Performance and understanding of 4H-SiC electron devices at low temperature range"**

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- **Dr. Alexandru Takacs**, HDR, Associate Prof., University Paul Sabatier (Toulouse III), Head of Micro and Nanosystems for Wireless Communication (MINC) research team, LAAS – CNRS, France

"Battery-free Wireless Sensors using Simultaneously Wireless Information and Power Transfer for IoT applications"

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- **Dr. Dumitru Sdrulla, Chief Technology Officer**, Analog Power Conversion-LLC, USA
- "Beyond the boundaries of state-of-the-art power semiconductor devices - an invitation to venture on uncharted territories"**

Research gate;



- **Prof. Daniela Dragoman** – Univ. of Bucharest, Faculty of Physics, Romania

"Transmission line analogy in plasmonics"

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- **Dr. Mircea Dragoman**, President of the Scientific Council of National Institute for R&D in Microtechnologies - IMT Bucharest, Romania; Senior researcher I - Laboratory for Micromachined structures, microwave circuits and devices (RF-MEMS)

"Ultrathin ferroelectric-based nanoelectronic devices and their applications"

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- **Prof. Radu-Emil Precup**, Politehnica University of Timisoara, Department of Automation and Applied Informatics, Romania

"Evolving Fuzzy Models and Transportation Applications"

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- **Prof. Radu Ionescu**, Professor at the University of Bucharest, Romania and Co-founder at SecurifAI

"Multimodal neural methods in medical imaging"

Google scholar; Research gate;



- **Dr. Neculai Plugaru**, Senior researcher I, National Institute for R&D in Microtechnologies - IMT Bucharest, Romania

"Modeling ferroelectric interfaces using DFT methods"

Google scholar; Research gate;



- **Dr. Valentin Serban Teodorescu** - Senior researcher I, National Institute of Materials Physics, Romania

"Nanostructure of BiFeO₃ and LaFeO₃ epitaxial films obtained by PLD for

photochemistry applications”


Google scholar; Research gate;


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