

**IEEE****SEEDA-CECNSM
CONFERENCE 2025**
19-21 September | Patras, Greece**IEEE
Computational
Intelligence
Society**

**10th South-East Europe Design Automation, Computer Engineering, Computer
Networks and Social Media Conference**

SEEDA-CECNSM 2025

September 19-21, 2025, Patras, Greece <http://seeda2025.org/>

The **10th South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference (SEEDA-CECNSM 2025)**, in its 10th year, will provide an insight into the unique world stemming from the interaction between the fields of computer engineering, networks and Design Automation. SEEDA-CECNSM 2025 will provide an international technical forum for experts from the engineering industry and academia to exchange ideas, innovations, and present results of on-going research in the most state-of-the-art areas. This year, special focus will be on the challenging issues related to all the opportunities of computer engineering, networks and design automation in the era of the integration of **Artificial Intelligence, Machine Learning, Internet of Things, Cloud Computing and Cyber-Physical Systems**.

The 10th SEEDA-CECNSM conference will be held in **Patras, Greece** between **September 19th-21nd, 2025** and it will be hosted by the **I.S.I. - Industrial Systems Institute** (<https://seeda2025.org>)

Virtual/Online Presentation: The conference will be hybrid, allowing physical and online attendance. More details will be provided to accepted paper authors upon programme finalization.

Aim and topics

SEEDA-CECNSM 2025 aims to address several issues and topics of interest include, but are not limited to:

Design Automation (DA)

- Artificial Intelligence and Applications
- Backend Silicon Tools and Methodologies
- CAD Tools and Algorithms
- Characterization and Timing Simulation
- Design for Low Power
- Design Optimization and Implementation
- ESL Methodologies and EDA Tools
- FPGAs, ASICs, ASIPs and SoCs
- Numerical and Scientific Computation
- Open-Source Tools
- Placement & Routing
- Rapid Prototyping and Hardware/Software Coverification and Co-design
- Silicon Device Level Research
- System-Level and High-Level Synthesis
- VLSI and Digital Design and Design for Test
- Reconfigurable computing and FPGA-based acceleration
- Approximate computing

- System level and architecture level dependability
- Safe and secure embedded systems

Computer Networks and Communications

- Cloud and Fog Computing
- Intelligent Agents and Distributed Computing
- Internet of Things and Smart Cities
- Internet Services and Applications
- Networks Management
- Green Networks
- Network Performance Analysis and Optimization
- Software Defined Networking (SDN).
- Mobile, Ad Hoc and Sensor Network Optimization and Management
- Security and Privacy
- Ubiquitous Computing, Services and Applications
- Web Services and Service Oriented Architectures
- Wireless, Cellular, and Mobile Communications



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Computer Engineering

- Computer Architecture and Design
- Formal Methods in Architecture Design
- Computer-Aided Architecture Design and Implementation
- Embedded Systems and Applications
- Multi-core VLSI/ULSI Design
- Parallel and other Advanced Architectures
- Distributed Computing
- Memory and Storage Systems
- Parallel programming, parallel computing and ILP
- Advanced I/O device design
- Human-Computer Interaction
- Embedded and Cyber-Physical Systems
- Industrial Informatics
- Heterogeneous many/multi-core computing

Important dates:

Submission of full papers:

13 July 2025

Notification of acceptance:

3 August 2025

Submission of camera ready:

31 August 2025

Main Conference:

19-21 September 2025

Proceedings/Publications

All papers *presented* at the conference will be included into **IEEE Xplore** subject to meeting IEEE Xplore's scope and quality requirements. Apart from that, all SEEDA-CECNSM conference proceedings have always been indexed by **dblp** and **Scopus**. Extended versions of selected papers will be included either in an **Edited Volume** or in an international **Journal Special Issue** to be announced during the conference.

