

EMPC 2025 CONFERENCE THE PLACE TO BE

CONTACT

Welcome to EMPC 2025 in Grenoble!

The European Microelectronics Packaging Conference (EMPC 2025) is the premier international conference for microelectronics packaging, organised by IMAPS and IEEE-EPS.

The conference program will focus on industrial needs and trends and on academic long-term solutions. The event brings together researchers, innovators, technologists, business and marketing managers with an interest in semiconductor packaging

Abstract Submission

The content must be original (previously unpublished), non-confidential and non-commercial. Maximum abstract length: 300-500 words. Figures with appropriate captions, and references, can be included, they do not count in the word limit. More information can be found at www.empc2025.org.

DEADLINE
for abstract submission
is January 27, 2025

Organised by:

IMAPS France

17 rue de l'Amiral Hamelin
75016 Paris, France
imaps.france@orange.fr
www.france.imapseurope.org

Conference Venue

World Trade Center of Grenoble
5-7 Pl. Robert Schuman
Grenoble
France

Conference Chair:

Jean-Marc Yannou
ASE Group

Technical Chair:

Dr Stoyan Stoyanov
University of Greenwich, London, UK

For more information about the submission process, please contact our conference office:

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The 25th European Microelectronics & Packaging Conference and Exhibition
15-18 September 2025 Grenoble, F

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empc2025.org



EMPC 2025 – CONFERENCE TOPICS

Advanced Packaging and System-Integration

- **System in Package**
New SiP developments, SiP testing; Modules in a package, double sided modules, antenna in package; Chip embedding technologies.
- **IC Packaging**
Single- and multi-chip packaging, heterogeneous integration, chiplets, WLP, 2.5D/3D-IC, interposers, high-frequency, and high-power packaging, quilt packaging, logic and memory chip integration.
- **Interconnection Technologies**
Disruptive interconnections, bumping technologies, TSVs and vias; Optical connections, RDLs, 3D printable interconnects.
- **Optoelectronics**
Assembly and packaging technologies for optical and photonics applications; Co-packaged optics, hybrid and heterogeneous photonics integration; Microscopy, imaging, displays; Equipment and tools

Specialised Topics

- **Power Electronics**
Advances in wide-bandgap semiconductor materials and technologies; Si, GaN, SiC packaging, Ag and Cu sintering, SiC wafer sawing, interconnection technologies, test and reliability.
- **Medical Electronics**
Bio-medical applications, medical devices; Biosensors and bioelectronics; Complying with material and test regulations, and market requirements; Medical imaging.
- **Green Electronics**
Green and sustainable manufacturing; Renewable energy, solar energy, and photovoltaics technologies; Energy storage, battery technologies; Packaging for improved efficiency of photovoltaic modules; Materials recovery and recycling, Product Carbon Footprint.

Materials and Processes

- **Materials**
Solder alloys, materials for harsh environments, solder alternatives, conductive/ nonconductive adhesives, encapsulants, smart materials, TIM, high temperature materials.
- **Substrate Technologies**
Advanced substrate design and technologies, flexible/ stretchable electronics, organic, inorganic, laminates, printed, microfluidics.
- **Assembly & Manufacturing**
Process development, clean room technologies, process and yield enhancements, micromachining, equipment development.
- **Emerging Technologies**
Nanotechnology, sensing technologies, MEMS and NEMS, packaging for extreme harsh environments.
- **Smart manufacturing:**
AI-enabled technologies, Additive Manufacturing, assembly factory automation.

Design, Modelling and Reliability

- **Design, Modelling and Simulation**
Signal integrity analysis, thermal management, cooling solutions; Electro-magnetic, thermal, and mechanical simulation; Physics-of-failure modelling, virtual qualification, data-driven modelling, model order reduction, optimisation.
- **Inspection and Test**
New characterisation, inspection and tests methods, measurement and qualification test methodologies, advances in metrology and test equipment; Accelerated life testing, failure detection and analysis; AI for test, standards.
- **Quality and Reliability**
Quality assurance, monitoring and control, counterfeits; Reliability at component, board and system-



level; In-service reliability, prognostics, health management, lifetime models.

Markets and Developments

- **Markets**
Telecoms (5G/6G), IoT, quantum technologies, computing, mobile, automotive, EVs, aerospace, defence and security, high reliability applications, robotics, consumer, wearables and smart textiles, structural, smart cities
- **Business Aspects**
Cost and cycle time reduction, markets and supply chains, distribution, intellectual property, policy issues, obsolescence, business models.
- **Education for Electronics**
Educational and information technologies for electronics manufacturing, new approaches and standards in electronics education.