

## IPCEI MICROELECTRONICS: DEVICES AND SYSTEMS DRIVING THE DIGITAL AND GREEN TRANSITION

Rome & online, Thu, Sep 12<sup>th</sup>, 2024



### ABOUT THE EVENT

Discover latest breakthroughs in electronic devices for **sensing, thinking, acting, and communicating** toward more efficient, faster, secure, and reliable products.

We will discuss about sensors, power electronics, optoelectronic components, wireless communication devices, IoT, high performance processors, scalable quantum computers, AI systems and advanced semiconductor materials and packaging.

These solutions are **strategic assets for major industrial value chains**: automotive, aerospace, ICT and security, manufacturing, energy, transport, smart cities, healthcare, and more.

The workshop, following the events of [2020](#), [2022](#) and [2023](#), include **talks** and a **matchmaking** session, open to large industries, SMEs, startups, research organizations willing to **meet, share and discuss** RtoB and BtoB opportunities with authoritative IPCEI representatives.

### ABOUT THE IPCEI - IMPORTANT PROJECTS OF COMMON EUROPEAN INTEREST

Europe is increasingly investing to strengthen our capacity and leadership in the semiconductor value chain, from materials to design, manufacturing and packaging of advanced chips and electronics devices and systems. The 2023 EU Chips Act is leveraging R&I efforts of all EU players in the field, and the two IPCEI ME and ME/CT (MicroElectronics and Communication Techs) are supporting the transformation.

IPCEI ME/CT, which Italy and Austria are key players in, builds on the first IPCEI ME results and involves 68 projects from 56 companies and an ecosystem of over 600 R&I players.

**FIND TECHNOLOGIES TO HELP YOU  
INTEGRATE MORE EFFICIENT, FASTER, SECURE, RELIABLE DEVICES IN YOUR INNOVATION!**

## AGENDA

### PART 1: IPCEI SOLUTIONS

September 12<sup>th</sup>, 2024 (14.00-15.30) @NanoInnovation 2024, Rome and online

Moderators: **Cosimo Musca**, STMicroelectronics and IPCEI ME/CT; **Andrea Porcari**, Airi.

- **Josef Moser, Infineon Technologies, Austria**  
Trapped ion quantum processor units (ionQPUs) for scalable quantum computers: developments and quality improvements
- **André Mugliett, STMicroelectronics, Malta**  
Assembly, Test and Packaging is a critical step of the Semiconductors supply chain: Malta IPCEI supports re-shoring capacity and grow on innovative technology
- **Sandra Eger, AT&S, Austria**  
IC substrates & advanced packaging Technologies: key to the Computing systems of the Future
- **Emanuele Corsi, MEMC-GlobalWafers**  
The TeNeT Project: Leading Edge 300mm and 200mm Silicon Wafers Manufacturing in Italy to Strengthen the Europe's Microelectronic Ecosystem

### PART 2: IPCEI SOLUTIONS & MATCHMAKING

September 12<sup>th</sup>, 2024 (16.00-17.30) @NanoInnovation 2024, Rome

- **Lorenza Ferrario, and Vittorio Guarnieri, Bruno Kessler Foundation**  
The FBK semiconductor Open Facility
- **Salvatore Lombardo, CNR-IMM- Institute of microelectronics & Microsystem National Research Council**  
The microtech for green project
- **Alessandro Fonte, Siae Microelettronica**  
Enabling Microelectronics Solutions for Next-Generation High-Performance 6G Networks
- **Alfredo Maglione, Optoi**  
Photonic sensors and MEMS microsystems: the OPTOI microelectronic packaging facility
- **Marco Deluca, Microsystems Division, Silicon Austria Labs GmbH (SAL)**  
Leading advanced thin film technologies for electronic-based microsystems
- **Elke Kraker, Materials Center Leoben Forschung GmbH (MCL), Austria**  
Materials understanding is the key to new innovations in microelectronics

Group discussion and bilateral meetings with IPCEI speakers and representatives:  
[READ HERE](#) the matchmaking catalogue to book your meeting.

**[REGISTER HERE](#)**

INFO: [www.airi.it](http://www.airi.it) - [www.nanoinnovation2024.eu](http://www.nanoinnovation2024.eu)