

# IMAPS ITALY WORKSHOP

## Additive Manufacturing for Microelectronics

April 20th, 2023

Polytechnic University of Milan - Bovisa

Via Raffaele Lambruschini 4, Milano



International Microelectronics  
And Packaging Society  
Italian Chapter

## Programme

- 09:00 Welcome and Introduction  
*IMAPS Italy*
- 09:10 **Additive Manufacturing in Microelectronics: a Vision for the Future**  
*Bruno Murari*
- 09:20 **3D Printed Microelectronics & New Design Thinking**  
*Rafael del Rey, Nanodimension - Munich, Germany*
- 09:50 **High-Frequency Aluminum Nitride pMUT Probes Enclosed in a Miniaturized Architecture by Additive Manufacturing Technology**  
*Vincenzo Mariano Mastronardi, Italian Institute of Technology (IIT) - Lecce, Italy*
- 10:20 Coffee Break
- 10:50 **An Innovative Contactless Technology for High Resolution, High Speed, Conductive & Di-Electric Materials Deposition**  
*Stéphane Etienne, IO-TECH - London, UK*
- 11:20 **High-Performance Organic Electrochemical Transistors Manufactured with Micro-Dispensing**  
*Fabrizio Torricelli, University of Brescia - Brescia, Italy*
- 11:50 **LIFT (Laser Induced Forward Transfer) Copper Pattern Deposition for Leadframe Customization**  
*Guendalina Catalano, STMicroelectronics - Milan, Italy*
- 12:20 **Scalable 3D Printed Electronics: High Volume to Fully Additive**  
*Martin Hedges, Neotech AMT - Nuremberg, Germany*
- 12:50 Lunch
- 14:15 **Inkjet-Printed Polymeric Dampers for MEMS Application**  
*Prisca Viviani, Polytechnic University of Milan - Milan, Italy*
- 14:45 **A New Dawn for Electrohydrodynamic Inkjet Printing as an Industrially Relevant Technology**  
*Patrick Galliker, Scrona AG - Zurich, Switzerland*
- 15:15 **Reaching Silicon Based MEMS Sensors and Actuators Performances with 3D Printing Technologies**  
*Stefano Stassi, Polytechnic University of Turin - Turin, Italy*
- 15:45 Coffee Break
- 16:00 **Additive Manufacturing for Ultra-Fine Resolution of Micro and Nanoscale Components and Interconnects for Advanced Packaging**  
*Ahmed Busnaina, Nano OPS, Inc. - Newton, USA*
- 16:30 **2 Photon Lithography and Ultra-Thin Films for Plastic Micro-Electronics Manufacturing and Assembly**  
*Virgilio Mattoli, Italian Institute of Technology (IIT) - Pontedera, Italy*
- 17:00 **Laser Induced Forward and Reverse Transfer for Additive Manufacturing of Multimaterial Micro Components**  
*Ali Gökhan Demir, Polytechnic University of Milan - Milan, Italy*
- 17:30 Closure

## Information

The conference will be held in English language in presence, for up to 100 people.

Access is free and subject to availability, mandatory registration at the following link:

<https://www.imaps-italy.it/news-eventi/in-primo-piano/20-april-2023-additive-manufacturing.html>

### Contacts

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