

IMAPS ITALY WORKSHOP

Additive Manufacturing for Microelectronics

II edition

November 7th, 2023

Polytechnic University of Milan - Bovisa

Consiglio Hall, Building BL25 - Via Lambruschini, 4



International Microelectronics
And Packaging Society
Italian Chapter

Preliminary Programme

- 09:00 Welcome and Introduction
IMAPS Italy
- 09:10 **AME – The Next Level of Electronics Manufacturing**
Alexandre Schäfer, J.A.M.E.S GmbH - Germany
Ryojiro Tominaga, FUJI CORPORATION - Japan
- 10:00 **Pushing the Boundaries of Additive Manufacturing with Ultra-Precise Deposition (UPD)**
Łukasz Kosior, XTPL - Poland
- 10:25 **Introducing HPCAP, an innovative AFM-based printing technology**
Marc Pascual, Hummink - France
- 10:50 Coffee Break
- 11:20 **Fabrication of micro-sized thermoelectric legs by laser-induced forward transfer**
Matteo d'Angelo, Dario Crimella, Ali Gökhan Demir and Nora Lecis, Politecnico di Milano - Italy
- 11:45 **High-Performance Organic Electrochemical Transistors Manufactured with Micro-Dispensing**
Fabrizio Torricelli, University of Brescia - Brescia, Italy
- 12:10 **3D printed micro-coolers for power electronics**
Thomas Ebert, IQ evolution GmbH - Germany
- 12:35 **Aligned 2-Photon Lithography**
Mareike Trappen, Nanoscribe GmbH & Co. - Germany
- 13:00 Lunch
- 14:15 **3D Printing of Silica Glass with Sub-Micrometer Resolution**
Po-Han Huang, KTH Royal Institute of Technology - Sweden
- 14:40 **Beyond Fine Pitch: 3D Microprinted Probes for <20 µm Pitch Probe Testing**
Edward White, Exaddon - Switzerland
- 15:05 **Inkjet Printing and Aerosol Jet Printing of Polymers for Wafer Bonding Applications**
Filippo Iervolino, Politecnico di Milano - Italy
- 15:30 Coffee Break
- 16:00 **Mass production of Optical Sub Assembling with RMPD**
Reiner Goetzen, microTEC Gesellschaft für Mikrotechnologie mbH - Germany
- 16:25 **Capacitive inertial MEMS fabricated through additive manufacturing ink-jet process**
Giorgio De Pasquale, Politecnico di Torino - Italy
- 16:50 **Printed CMOS Integrated Circuits: towards pervasive smart electronics systems**
Andrea Perinot, FLEEP Technologies S.r.l. - Italy
- 17:15 Closing Remarks

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/in-primo-piano/7-november-2023-additive-manufacturing.html>

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