INDUSTRIAL WORKSHOP Higher Value production technologies and KET enabled applications

*A joint initiative by EC projects 3D-HIPMAS, 4M2020, FABIMED, HINMICO, HI-MICRO, HIPR, HYPOLINE, MICRO-FAST, NEXTFACTORY, SMARTLAM**
Date: 30. March 2015 Venue: Assolombarda Sala Falck, Via Chiaravalle 8, Milano, Italy

Scope

*Within the European initiative "Factories of the Future", **a group of public private partnership projects is working in synergy** to maintain high value manufacturing in Europe. These projects together with the support of the European Commission have created a "Micro-Manufacturing Industrial Research" Cluster. The Cluster **brings together a critical mass of industry facing R&D programmes with common development objectives and complementary technologies** to underpin a number of key application areas for Europe competitiveness.*

*During this first joint workshop, **industrial research** will present key results with high impact and of immediate relevance to industry.*

Your benefit

Participants at this workshop will get an insight to the latest results of these industry-led ongoing R&D. More than 30 exploitable results will be presented in "innovation pitches", a format focusing on 5-minutes highlights of key technical achievements and their potential for use in different product/application contexts. During panel discussions and the coffee breaks participants will be able to interact with the presenters, discussing business opportunities.

10.00 – 10.30	**Arrival**
10.30 - 10.45	**Welcome by the organizers / welcome by the EC.**
10.45 - 13.15	**Innovation in manufacturing that might rule your business** **23 pitches** (5 minutes each) on technology offers that might become of interest for your business, e.g. latest developments in precision assembly, replication, inspection, printing and laser-based manufacturing will be shown Panel discussion – trends in precision manufacturing
13.15 - 14.30	**Light lunch, opportunity to interact with presenters and participants** **15 pitches** (5 minutes each) on technology offers that might become of interest to your business. Results in Health (lab on chip, implants, medical imaging), Energy (lighting, storage, agriculture) will be presented Panel discussion – Opportunities and challenges during the introduction of new applications/technologies
16.30 – 16.45	**Wrap-up by rapporteurs and closure**
16.45 – 18.00	**Opportunity to interact with presenters and participants.**

Participating Projects
*HIPR - High precision micro-forming of complex 3D parts (www.hipr.eu);
*3D-HIPMAS - Pilot factory for 3D high precision MID assembly (www.3D-hipmas.eu);
*SMARTLAM - Smart production of Microsystems based on laminated polymer films (www.smartlam.eu);
*MICRO-FAST - Fast process and production system for high-throughput, flexible and cost-efficient vol. production of min. components (www.micro-fast.eu);
*FABIMED - Fabrication and functionalization of biomedical microdevices (www.fabimed.eu);
*HI-MICRO - High precision micro production technologies
*HINMICO - High througput integrated technologies for multimaterial functional micro Components (www.hinmico.eu);
*NEXTFACTORY - All-in-one manufacturing platform for system;
*HYPROLINE - Hybrid Manufacturing Platforms for Production of Miniaturised Components (www.hyproline.eu);
*4M2020 - Advanced Manufacturing of Multi-Material Multi-Functional Products Towards 2020 and Beyond (www.4m2020.eu).

Picture: Flexible LED-Array by DesignLED Ltd. (EC Project Smartlam)

This Workshop is jointly organized by the participating EC projects
Contacts:
Markus Dickerhof, Karlsruhe Institute of Technology, .markus.dickerhof@kit.edu
Christian Woegerer, Profactor, christian.woegerer@profactor.at
Stefan Dimov, Univ. of Birmingham, S.S.Dimov@bham.ac.uk

Sponsored by

All projects are funded by the European Commission under FP7 Cooperation Programme