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 University of Bradford
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 Microsystems Ltd
 Pascoe Engineering Ltd

Katholieke Universiteit
 Leuven

ECM Technologies

Technical
 University of
 Denmark
 IPU Innovation
 Factory
 Ortofon
 Microtech
 Strecon A/S

University of Bremen
 Technische Universität
 Chemnitz
 Beckmann-Institut für
 Technologie-
 Entwicklung E.V.
 SIOS Meßtechnik GmbH
 DESMA TEC
 Polyoptics GmbH

Alicona Imaging
 GmbH

Politecnico di Milano
 Enki S.r.l.
 Marposs S.p.A.

Ultrason, S.L.

Sarix SA

Project Coordinator:

Guido Tosello
 DTU Mechanical Engineering
 Phone: +45 4525 4893
 guto@mek.dtu.dk

Project Administrator:

Lena Kristina Carlberg
 DTU Mechanical Engineering
 Phone: +45 4525 4156
 projectmicroman@mek.dtu.dk

More information about MICROMAN:

www.microman.mek.dtu.dk

Danmarks Tekniske Universitet



MICROMAN



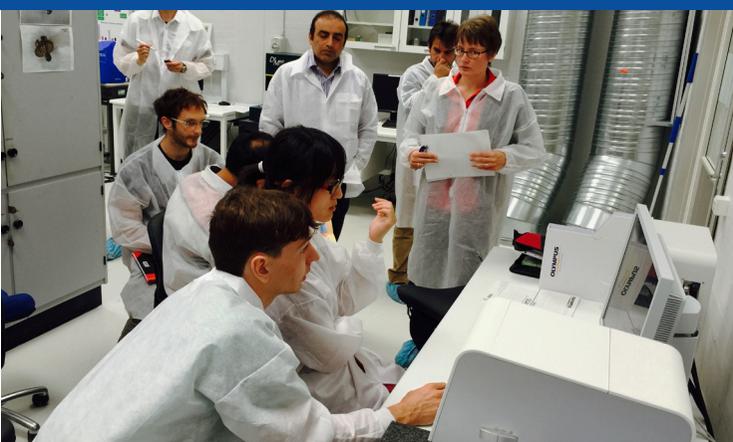
EU H2020 MARIE SKŁODOWSKA-CURIE ACTION

European Innovative Training Network

MICROMAN

“Process Fingerprint for Zero-defect
 Net-shape MICROMANufacturing”

**Opening of 13 Early Stage
 Researcher (ESR) positions in the field of
 Micro Manufacturing**



The continuous trend towards miniaturization and multi-functionality embedded in products and processes calls for an ever increasing innovation, research and development within the European manufacturing sector. A necessary condition for the European productive sector to be at the global forefront of technology, ensuring job creation and sustainable growth, is to have access to innovative, entrepreneurial, highly skilled research graduated engineers in the fields of micro manufacturing, micro product/process development and quality control.

The MICROMAN ITN will provide world excellent research training to 13 Early Stage Researchers (ESRs) in the field of micro manufacturing proposing:

1. Innovative process fingerprint framework for zero-defect net-shape micro manufacturing.
2. Cutting edge interdisciplinary training in different micro manufacturing technologies.
3. Validation of technologies in industry for the production of micro component for the bio-medical, health-care, machine tool, pharmaceutical, quality control sectors.

MICROMAN will provide an all-round, comprehensive yet specialized, training in micro manufacturing at PhD level. Specific training on project engineering research management and entrepreneurship completes the training and gives the ESR the required skills to effectively contribute to the competitiveness of the European micro manufacturing industry, to ensure job creation and well-being of the European society.

Interested in the MICROMAN project?
Please contact the Project Coordinator.

MICROMAN project start: 01/10/2015
MICROMAN project end: 30/09/2019
ESRs PhD projects start: 01/04/2016

Recruiting takes place during January - February 2016

Interested in a specific ESR PhD project?
Please contact the related Main Supervisor.

ESR project no.	Core Micro Manufacturing Technology	Complementary Micro Manuf. Technology(ies)	Key-enabling Technologies	Main Supervisor (Partner)	Contact email	Industrial/Research Partner(s)	Key-industrial Application(s)
1.	μ-Injection Moulding	μ-Milling, μ-EDM	Process monitoring Micro metrology	Guido Tosello (DTU)	guto@mek.dtu.dk	ORTOFON	Non-invasive surgery
2.	μ-Mechanical Polishing	μ-Forming, μEDM	Process monitoring Micro metrology	Giuliano Bissacco (DTU)	gibi@mek.dtu.dk	STRECON	Machine tool, μ-die industry
3.	μ-EDM	μ-Milling	Process monitoring Micro metrology	Dominiek Reynaerts (KUL)	dominiek.reynaerts@kuleuven.be	SARIX	Machine tool, μ-tool industry
4.	μ-ECM milling	μ-EDM	Process monitoring Micro metrology	Jun Qian (KUL)	jun.qian@mech.kuleuven.be	SARIX	Machine tool, μ-tool industry
5.	μ-Jet-ECM milling	μ-PECM	Process monitoring Micro metrology	Henning Zeidler (TUC)	henning.zeidler@mb.tu-chemnitz.de	ECM TECHNOLOGIES	μ-tool industry, surgical instruments
6.	μ-Plasma Polishing	μ-Forming	Process monitoring Micro metrology	Henning Zeidler (TUC)	henning.zeidler@mb.tu-chemnitz.de	BTE, ECM TECHNOLOGIES	Machine tool, surgical instruments
7.	μ-Grinding	μ-Milling, μ-Polishing	Process monitoring Micro metrology	Oltmann Riemer (UBREM)	oriemer@lfm.uni-bremen.de	SIOS Meßtechnik	Dental implants, metrology
8.	μ-Injection Moulding	μ-Milling, μ-Polishing	Process monitoring Micro metrology	Oltmann Riemer (UBREM)	oriemer@lfm.uni-bremen.de	DESMA, POLYOPTICS	Machine tool, surgical instruments
9.	μ-Forming	μ-Milling	Process monitoring Micro metrology	Xichun Luo (USTRAT)	xichun.luo@strath.ac.uk	PASCOE ENGINEERING	Surgical instruments
10.	μ-Extrusion	μ-Milling, μ-Polishing	Process monitoring Micro metrology	Massimiliano Annoni (POLIMI)	massimiliano.annoni@polimi.it	ENKI, MARPOSS	Medical technology, metrology
11.	Integrated Micro Manuf. Metrology	μ-Injection Moulding	Process monitoring Micro metrology	Richard Leach (UNOTT)	richard.leach@nottingham.ac.uk	ALICONA	Metrology instrumentation
12.	μ-Forming	μ-EDM	Process monitoring Micro metrology	Mogens Arentoft (IPU), Niels Bay (DTU)	ma@ipu.dk nbay@mek.dtu.dk	DTU, USTRAT	Machine tool, dental implants
13.	μ-Injection Moulding	μ-Grinding, μ-Milling	Process monitoring Micro metrology	Ben Whiteside (UBRAD)	b.r.whiteside@bradford.ac.uk	MICROSYSTEMS, ULTRASION	μ-drug delivery devices, machine tool