

6 Beneficiaries

 <p>DTU Technical University of Denmark</p>	 <p>POLITECNICO MILANO 1863</p>
 <p>UNIVERSITÀ DI PISA</p>	 <p>Universidad Zaragoza</p>
 <p>KIT Karlsruher Institut für Technologie</p>	 <p>IK4 TEKNIKER Research Alliance</p>

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More information about DIGIMAN4.0:

www.digiman4-0.mek.dtu.dk

Danmarks Tekniske Universitet



EU H2020 MARIE SKŁODOWSKA-CURIE ACTION
European Innovative Training Network

DIGIMAN4.0

“Digital Manufacturing Technologies for
Zero-defect Industry 4.0 Production”

**Opening of 15 Early Stage
Researcher (ESR) positions in the field
of Digital Manufacturing Technologies**

20 Industrial Partners



THE FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION

HORIZON 2020

DIGIMAN4.0

Industry 4.0 gravitates around one core rationale: recent progress in a variety of digital technologies has created unprecedented possibilities that result in huge improvements in operational effectiveness for manufacturing industries. 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 cross-disciplinary engineers in the fields of production engineering and digital manufacturing technologies. In reply to these needs, DIGIMAN4.0 ITN will provide world excellent research training to 15 ESRs (Early Stage Researchers) in the field of digital manufacturing technologies for Industry 4.0 production.

DIGIMAN4.0 project start: 01.01.2019

DIGIMAN4.0 project end: 31.12.2022

ESRs PhD projects start: May-June 2019

Recruiting takes place during January-April 2019

[Interested in the DIGIMAN4.0 project?](#)
Please contact the Project Coordinator.

[Interested in a specific ESR PhD project?](#)
Please contact the related Main Supervisor.

ESR no.	Core Digital Manufacturing Technologies	Key-enabling Digital Manufacturing Technologies	Complementary Technologies	Main Supervisor	Contact email	Industrial partner	Key-industrial application
	70%	20%	10%				
1.	AM, Simulation	Process monitoring, In-line QC	System Integration, Big Data	Guido Tosello (DTU)	guto@mek.dtu.dk	PRIMO A/S	Precision Extrusion, Medical Devices, Industrial Equipment
2.	AM, Image Metrology, BigData	Simul., Proc. monitoring, In-line QC	System Integration	Matteo Calaon (DTU)	mcal@mek.dtu.dk	ORTOFON A/S	Precision Moulding, Sensing Actuator, Medical Devices
3.	IoT, Big data, System integration	Simulation	Autonomous robotics	Matteo Calaon (DTU)	mcal@mek.dtu.dk	TOPSIL GLOBALWAFERS A/S	Micro/Nano electronics, ICT, wafer production
4.	Industrial IoT, BigData	In-Process QC Loops	Simulation	Benjamin Haefner (KIT)	Benjamin.Haefner@kit.edu	ROBERT BOSCH GmbH ITK ENGINEERING	Self-optimizing smart factory
5.	Industrial IoT, BigData	Real-time Adv. Plan. & Scheduling	Simulation	Benjamin Haefner (KIT)	Benjamin.Haefner@kit.edu	FLEXIS AG, MTU FRIEDRICHSHAFEN GmbH, INFINEON TECHNOLOGIES AG	Modular takt-time independent matrix assembly
6.	System Integration	Production Platform Horiz. Integ.	Cloud computing	Benjamin Haefner (KIT)	Benjamin.Haefner@kit.edu	WITTENSTEIN SE	Industrial machinery production
7.	Deep learning, In-line QC	BigData, Process Monitoring	System Integration	Iñaki Maurtua (TEKNIKER)	inaki.maurtua@tekniker.es	ERREKA ESPAÑA SA, LEANBOX SL, FESTO	Industrial Production, Machine Tool
8.	Co-Bots, AR, In-line QC	System Integ., Process Monitoring	Simulation	José Antonio Yagüe-Fabra (UNIZAR)	jyague@unizar.es	BSH ELECTRODOMÉSTICOS	Industrial Production. Home appliance technology
9.	AR, In-line QC, Simulation	BigData, Process Monitoring	System Integration	José Antonio Yagüe-Fabra (UNIZAR)	jyague@unizar.es	METROMECAÁNICA	Automotive and aeronautic assembly
10.	Simulation, Integration, BigData	In-line QC, Cyber-Physical System	IoT	Marcello Colledani (POLIMI)	marcello.colledani@polimi.it	GKN AEROSPACE ENGINE SYSTEMS	Precision Assembly, Aerospace Components
11.	Simulation, System Integration	BigData, Cloud computing	IoT	Massimiliano Annoni (POLIMI)	massimiliano.annoni@polimi.it	CELADA S.p.A.	Precision Machining, System Design, Machine Tool
12.	Simulation, System Integration	BigData, In-line QC	AM	Marcello Urgo (POLIMI)	marcello.urgo@polimi.it	ANSALDO ENERGIA	Production Planning, Energy Components
13.	System Integration, Industrial IoT	Cybersecurity, Simulation	Big Data, Analytics	Gualtiero Fantoni (UNIFI)	g.fantoni@ing.unipi.it	Pierburg - Rheinmetall Automotive	R&D, Product Design, Process Management, Automotive
14.	Co-Bots	System Integration	Simulation	Gualtiero Fantoni (UNIFI)	g.fantoni@ing.unipi.it	Continental Automotive Italy S.p.A.	Precision Assembly, Automotive
15.	Industrial IoT, Big Data, Analytics	Cloud computing	Simulation	Gualtiero Fantoni (UNIFI)	g.fantoni@ing.unipi.it	TOI S.r.l.	Predictive maintenance