

Summer School 2016

*Information Pack
and Programme*

21st – 23rd September 2016

Introduction



I4MS (ICT Innovation for Manufacturing SMEs) is an initiative promoted by the European Commission to support the European leadership in manufacturing through the adoption of advanced ICT technologies. Europe's competitiveness in that sector depends on its capacity to deliver highly innovative products, where the innovation often originates from advances in ICT. Therefore, I4MS aims at promoting the adoption of all leading edge technologies, in the following areas: robotics, HPC cloud based simulation services, laser based applications, Cyber Physical Systems (CPS) and Internet of Things (IoT).

I4MS is a key component of the EU strategy for digitising the European industry, aiming at improving the competitiveness of the EU manufacturing sector by increasing the uptake of advanced ICT, with a specific focus on SMEs and midcaps in the industrial sector. I4MS started its Phase 1 in July 2013 and continued with Phase 2 in autumn 2015 (total funding nearly 110 Mn EUR) and involves both Innovation and Support Actions.

A key objective of I4MS phase 2 is to expand the initiative to countries and regions not currently involved, with the ultimate aim to establish a Digital Innovation Hub in every European Region. To achieve this objective two calls for proposals to prepare Feasibility Studies for Digital Innovation Hubs were launched in 2015 and 2016. A total of 29 proposals have been selected. These projects will receive support from I4MS through mentoring and coaching activities aimed at developing fully fledged feasibility studies for the establishment of Digital Innovation Hubs.

Summer School



Organisations already participating in the I4MS initiative will provide mentoring and coaching services to the selected innovation hub projects. The mentoring will commence with the Summer School event hosted at Manufacturing Technology Centre in the Great Britain, between 21st and 23rd of September 2016.

The summer school event is your opportunity to gain an overview of the I4MS strategy and the role of Digital Innovation Hubs (DIH) and to engage with existing European initiatives who will deliver presentations and offer mentoring on crucial elements to support the development of participating hubs.

The summer school is an activity organized within the framework of the I4MS Mentoring programme. Being part of the EU I4MS strategy, the Mentoring programme contributes to the stimulation of the application of digitalisation within the manufacturing industry (SMEs). The objective of the Mentoring programme is to initiate structural I4MS activities in EU regions that are at this moment not represented in the I4MS strategy. This is achieved by supporting the assessment of the feasibility to initiate Digital Innovation Hubs in those regions through the financial and in-kind support of individual consortia that have proposed this assessment. The in-kind support of these consortia includes the mentoring by experts from the existing I4MS Innovation Actions and the I4MS CSAs. 29 proposals are awarded to be mentored within the framework of the I4MS Mentoring Programme.

The Summer school is an important element within mentoring. It will not only form a starting point for 29 consortia but also will enhance the knowledge how to set-up a Digital Innovation Hub. The consortia will learn about many challenging aspects such as creating business models, development of use cases, engaging with SMEs, organization of brokerage. We believe that the most important value of the summer school is the personal interaction with the experts and their consortia colleagues. Therefore the objective of the summer school is not only to create a solid information base on how to develop Digital Innovation Hubs, but also create the contacts within the network of experts.

Day 1 – 21/09/2016



Start Time	Wednesday 21st of September	Organisation
11.30	Registration	MTC
12.00	Lunch	
13.00	Opening and welcome	MTC
13.10	Digital Innovation Hubs in the EU strategy	European Commission
13.30	Introduction to the Summer School and the Mentoring Programme	TNO
13.45	Overview of I4MS IA and CSA projects	Growth
14.45	Tea break	
15.00	Introduction to Digital Innovation Hubs and Competence Centres	TNO
15.45	Experiences of Pioneer hubs from Poznan, Catalonia & Western Greece	Funding Box, EureCat, LMS
17.00	Closure of day 1	

Start Time	Wednesday 21st of September - Opening Dinner @ AMTC	Organisation
18.00	Welcome reception & Drinks	
19.00	Dinner	

Day 2 – 22/09/2016

Start Time	Thursday 22nd of September	Organisation
09.00	Introduction and overview of the day	MTC
09.15	Roles and activities for DIHs	TNO
10.00	DIH Funding	Brainport Development
10.45	Tea break	
11.00	Regional ecosystem assessment	Fraunhofer
11.50	Brokerage	VTT
12.40	Lunch	
13.30	World Café	Fraunhofer
	MTC Tour	MTC
14.15	I4MS Technology, Robotics: Room - Henry Royce Royce (M11)	HORSE
	I4MS Technology, HPC /Simulation: Room - George Stephenson (M12)	Fortissimo 2
	I4MS Technology, CPS IoT: Room - Tilly Shilling	BeinCPPS
	I4MS Technology, Laser: Room – William Armstrong (M7)	Lashare
17.15	Closure of day 2	MTC

Day 3 – 23/09/2016



Start Time	Friday 23rd of September	Organisation
09.00	Introduction and overview of the day	MTC
09.15	DIH Best practices	MTC
10.00	Use cases & Technology Strategy	MTC
10.45	Tea break	
11.00	Engaging SME's in Technology and Process Improvement	MTC
11.30	Managing IP in a Regional Innovation Consortium context	MTC
12.00	World Café	Fraunhofer
	MTC Tour	MTC
12.45	Lunch	
13.45	Robotics: follow-up and work plans Room - Henry Royce Royce (M11)	HORSE
	HPC /Simulation: follow-up and work plans - Room - George Stephenson (M12)	Fortissimo 2
	CPS IoT: Room - Tilly Shilling	BeinCPPS
	Laser: follow-up and work plans - Room - Charles Babbage(M7)	Lashare
15.15	Wrap up and closure of the Summer School	MTC

Participants Include:

