TRINITY @ ERF2019

Workshop: Robotics, Digitalization and Security - the TRINITY DIH for Agile Production

When: 20th March 2019 16:15 – 17:45

Where: Grand Ballroom Salon C+D

Dear Partners, Customers and Friends,

The TRINITY project would like to invite you to our workshop "Robotics, Digitalization and Security - the TRINITY DIH for Agile Production" taking place at the European Robotics Forum 2019.

The TRINITY DIH considers Robotics, Digital Tools and Cyber Security as three essential contributing thematic areas for the Agile Production. Each requires one another. Since agile means to be flexible and adapt to changing needs, requirements and contexts none of the aforementioned thematic areas must be rigid. Therefore, this workshop initiates and encourages discussions about how these areas interplay and influence and how they do not. In order to quickly reach a mode of working we will have short elevator pitches from SME perspective. These pitches will serve as input for an ongoing world café in which short but intense discussions will lead from high-level opinions to deep and constructive findings from different viewpoints. To achieve that we want bring together participants not only from the TRINITY DIH but also from the other DIHs from different PAAs.

As a result we expect to gather a broad range of strong opinions which imply future directions and requirements for TRINITY and the Agile Production. Upcoming TRINITY events will resume the discussion results and will drive them into new paths. Thus, based on this workshop exciting networking can be expected.

We would appreciate if you could take part at the TRINITY workshop. Following you find the workshop's agenda and an overview about the project on the next page.

Agenda

Time	Topic	Presenter
00:00-00:10	TRINITY approach to agile production in Europe	Minna Lanz
00:10-00:20	DIH² as related DIH	Ali Muhammad
00:20-00:35	3 Elevator pitches (4min each): Robotics Digital tools Cyber security	 Eddy Lotter (LP-Montagetechnik) Harri Nieminen (Fastems) tba
00:40-01:15	TRINITY world cafe, 3 thematic areas (10 min per table) Robotics Digital tools Cyber security	Hosts: Roel Pieters Niki Kousi, Sotiris Makris Jan Reimann
01:15-01:30	Conclusions / world cafe findings	Minna Lanz

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A network of Digital Innovation Hubs supporting manufacturing SMEs to become more competitive through robotics and digital technologies

Why TRINITY?

There is a huge opportunity for manufacturers to adopt new robotics and Internet of Things (IoT) technologies and to improve productivity and competitiveness. New robotic technologies are highly flexible and cost-effective for nearly every size of company, including small and medium-sized firms (SMEs). SMEs need to embrace these technologies to maintain efficiency and create jobs. A key barrier to implementation is often a lack of skills and understanding around how to best profit from these technologies.

Project Objectives

TRINITY aims to improve the agility and innovation capability of European manufacturing companies. It aims to bring together both the research and industrial community in Europe with the objective of developing and helping all sized companies to implement and benefit from new digital and robotic technologies.

The TRINITY Approach

In order to reach these objectives TRINITY will:

BUILD a sustainable **network of Digital Innovation Hubs** (DIHs) acting as a one-stop-shop for companies to get access to digital and robotic technologies as well as technical and other services, such as training, funding or match-making. The network is composed of industry organisations, service providers, research institutes and universities specialised in advanced robotics, IoT and cybersecurity. This network will be extended over the life-time of the project.

PROVIDE a critical mass of **use cases** in collaboration with industry to demonstrate novel robot technologies that can contribute to increase the agility of production processes in relevant industrial environments across different sectors.

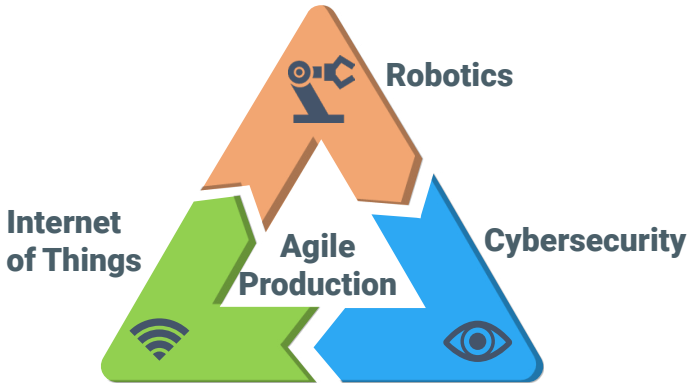
CREATE a **digital access point** to facilitate collaboration, networking and disseminate information and knowledge to the wider robotics research community and industry in Europe.

Use Case Demonstrators

The TRINITY network will develop use-case demonstrators in some of the most promising areas of robotics to advance agile production. These areas will include collaborative robotics as well as sensory systems to ensure safety, effective user interfaces based on augmented reality and speech, reconfigurable robot workcells and peripheral equipment (fixtures, jigs, grippers, etc.), programming by demonstration or IoT secure wireless networks.

Funding Opportunities

The initial demonstrators will serve as reference implementation for two rounds of **open calls for proposals**, where companies with agile production needs and sound business plans will be supported (financially and technically) by TRINITY to carry out experiments in industrial environments. A minimum of 30 demonstrators will be implemented through the calls, which will be launched in 2020 and 2021. Calls will be open for three months after their publication and each demonstrator can get up to €300,000 in funding.



Partners

www.trinityrobotics.eu – or visit us on:

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