Digital Technologies, Advanced Robotics and increased Cyber-security for Agile Production in Future European Manufacturing Ecosystems

Results

Project Information

TRINITY
Grant agreement ID: 825196

Project website

Status
Ongoing project

Start date
1 January 2019

End date
31 December 2022

Funded under
H2020-EU.2.1.1.

Overall budget
€ 16 335 948,75

EU contribution
€ 15 997 267,25

Coordinated by
TAMPEREEN KORKEAKOULUSAATIO SR
Finland

Deliverables

Documents, reports (4)

Demonstrator introduction
All the proposed demonstrations focus on providing agile production capabilities to manufacturing companies. Demonstrations to be implemented will be introduced to public in this deliverable.

External evaluation guidelines & contracts
The process for evaluation is divided in two phases, corresponding to: external remote evaluation based on applications and an interview with the most promising proposals and the eligibility control by TUT. Guidelines for these will be provided. Documents: • An Evaluation Summary Report (ESR) for each applicant; • A ranking list/reserve list; • Letters informing of rejection decision, informing that they are on the reserve list or invitation for the following steps (sub-grantee preparation).

**Design and development of training material and delivery mechanisms**

Each responsible partner will identify the requirements on education and training required by the first-time users. Moreover, the identification of the training providers will be described. The means to deliver the required education and training knowledge will be specified by employing the latest of industrial technology and knowledge transfer mechanisms.

**Co-Creation Workshop review 1**

The results of the questionnaire and of the workshops will be summarized and derived measures according to the raised topics will be reported.

**TRINITY initial open event**

An initial open event will be organised at the beginning of the project latest by (M12), to explain the objectives of the project and enlarge the TRINITY network of DIHs. Partners will also participate in relevant events organized by other stakeholder (e.g. European Robotics Forum, Digital Stakeholders Forum, EFFRA events) and will present the contributions to the field of the TRINITY project.

**TRINITY Marketing kit**

Different tools will be used/developed to disseminate project results and communicate with the different target audiences. The dissemination materials to be developed during the project: • Press releases and press kit: A TRINITY press kit will be downloadable from the portal and press releases will be produced. The press kit will be available by M09 of the project and at least two press releases will be developed: one with the kick-off meeting to provide general information about the project, and one with the final dissemination workshop, with the goal of increasing the visibility of TRINITY. • Brochures, posters and banners will be produced at the beginning of the project. A brochure introducing the project, the partners and its main objectives will be developed by M12 of the project. • Experiments factsheets: A factsheet for each use case demonstration will be developed. The factsheet will include including a description of the use case demonstration, its objectives and results. • E-newsletters
Publications

Peer reviewed articles (2)

The Intelligent Factory Space – A Concept for Observing, Learning and Communicating in the Digitalized Factory

Author(s): Jan Reimann, Gabor Sziebig
Published in: IEEE Access, Issue 7, 2019, Page(s) 70891-70900, ISSN 2169-3536
DOI: 10.1109/access.2019.2919340

AR-based interaction for human-robot collaborative manufacturing

Author(s): Antti Hietanen, Roel Pieters, Minna Lanz, Jyrki Latokartano, Jóni-Kristian Kämäräinen
Published in: Robotics and Computer-Integrated Manufacturing, Issue 63, 2020, Page(s) 101891, ISSN 0736-5845
DOI: 10.1016/j.rcim.2019.101891

Last update: 10 September 2020
Record number: 219103

Permalink: https://cordis.europa.eu/project/id/825196/results

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