

AIToC: Artificial Intelligence supported Tool Chain in Manufacturing Engineering

European Union (EU) EUREKA Information Technology for European Advancement (ITEA) labelled research and development project (ITEA project no: 19027) including 34 project partners from Finland, France, Germany, Sweden and Turkey

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TÜBİTAK

Abstract

The goal of AITOC is to develop an integrated toolchain for manufacturing engineering that supports decision-making in early phases. To achieve this, the toolchain will support the formalisation and automated analysis of requirements, the computer-aided generation of process plans, simulation models and instructions and the software supported generation of layouts. In all of these dimensions, Artificial Intelligence will be utilised in expert systems and simulations based on data from existing solutions. The interoperability of engineering tools is also in focus and will be developed using standardised neutral data formats.

Start Date: October 1, 2020

End Date: October 1, 2023

Project Partners:

Finnish Partners:



TACTOTEK

French Partners:



German Partners:



Swedish Partners:



Turkish Partners:



Dr. Kardas worked as the consultant for the project partner Unit Information Technologies Research, Development and Automation Systems Co.

More Info:

<https://itea3.org/project/aitoc.html>