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Facilitating model-based design of cyber-manufacturing systems

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Abstract

Manufacturing companies need to go digital. Although this sector leads in automation adoption, some companies struggle to explore emerging innovations such as Cyber-Physical Systems, Digital Twins and “servitisation in manufacturing”. The equipment required to deliver production systems typically combines physical and software components, yet digital innovations require investing in new models and tools, and training in model-based design. In this paper, we report on a new collaboration platform fostering the ability to experiment with digital innovations using a sandbox environment, accessible online via the user browser, and with good acceptance in small experiments by members in the manufacturing community.

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