

Internet of Production - Research Roadmap
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Abstract

The vision of the "Internet of Production" describes the common research roadmap of RWTH Aachen University concerning Industrie 4.0. Within a large-scale interdisciplinary team, researchers from engineering, computer science and social science are shaping the future of production technology. This presentation will provide an overview of actual research topics, as well as potentials and risks for producing industries in the context of the Internet of Production. Core concepts like the Digital Shadow, a new reference infrastructure and approaches for a new level of cross-domain collaboration will be explained. Practical examples will be presented from different fields of production technology."

Keywords: *Internet of Production, Digital Shadow, Production Technology*

Biography

Dr. Brockmann is managing director of the Cluster of Excellence „Internet of Production“ at RWTH Aachen University. Before this position, he was research group leader of “Product and Process Monitoring” group and Chief Engineer at the Chair of Manufacturing Technologies led by Prof. Fritz Klocke.