

## **Internet of Production – Digital Shadows for Production**

Dr.-Ing. Matthias Brockmann Managing Director, Cluster of Excellence, RWTH Aachen University

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."

The Cluster of Excellence „Internet of Production“ is part of the Excellence Strategy of Germany's Federal Republic and States in Aachen and bundles the strengths of RWTH Aachen University and the Fraunhofer Institutes IPT, ILT and FIT.