

Brief introduction

Dr. Kai Lindow, Director Digital Engineering at Fraunhofer IPK



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Dr Kai Lindow is an expert in sustainable digital technologies. For over a decade, he has been developing systemic solutions to make products and processes more efficient and resource-saving. He is actively involved in industrial and scientific working groups and is a sought-after guest on discussion panels. After studying mechanical engineering in Berlin and Stockholm, Dr Lindow completed his PhD on the topic of 'Knowledge-based development of sustainable products' at TU Berlin. As a post-doctoral researcher at the TU Berlin, he led numerous research projects at the interface between mechanical engineering and information technology. He then became head of the Information and Process Control department at the Fraunhofer-Institute for Production Systems and Design Technology (IPK) in Berlin. He is currently Director of Digital Engineering at the same institute. His work focuses on digital ecosystems, sustainable digital twins, smart product-service systems and the industrial metaverse.

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Career

- Studied mechanical engineering at TU Berlin and KTH Stockholm, specialising in design technology and environmental engineering: graduated as a Dipl.-Ing. in 2008
- PhD (Dr.-Ing.) in 2016 at the TU Berlin on the topic of 'Knowledge-based development of sustainable products'
- Various positions at the Fraunhofer IPK (Institute for Production Systems and Design Technology) since 2008: from research assistant to head of department to (currently) director for digital engineering

Selection of current activities

- BDLI (Federal Association of the German Aerospace Industry) Digital Committee
- Sustainability Committee of Catena-X
- BDI (Federation of German Industries) Industrial Metaverse working group
- BDI (Federation of German Industries) Circular Economy Initiative (BDI-ICE)
- Scientific Advisory Board of CHESCO (Centre for Hybrid Electric Systems Cottbus)
- Lecturer at the Turkish-German University in Istanbul, Turkey
- Lecturer at the Technical University of Darmstadt

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Details

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