



# Internet of Production

Fachforum „Unternehmen trifft Wissenschaft und Forschung“ | EKM Industrie-Dialog Aachen

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



### Factsheet

## EXC 2023 „Internet of Production“

- Overall Funding Sum ~ 50 Mio €
- Over 35 Institutions at Aachen
- Over 200 Scientists involved
- Only Cluster in the area of Production Engineering in Germany

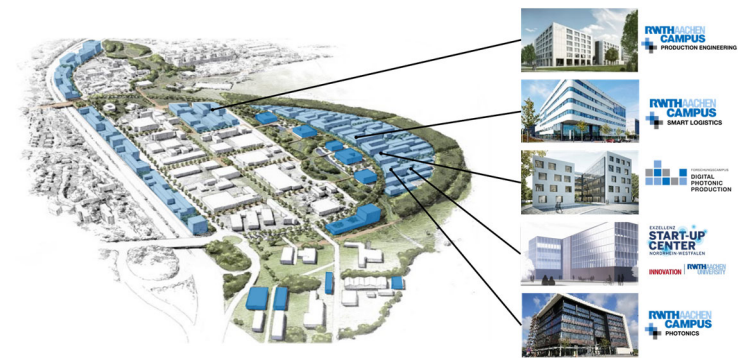

# Researchers of the Cluster

<b>Prof. Wil van der Aalst</b> PADS   Chair of Process and Data Science	<b>Prof. Thomas Bergs</b> WZL-TF   Chair of Manufacturing Technology, Fraunhofer IPT	<b>Prof. Christian Brecher</b> WZL-WM   Chair of Machine Tools, Fraunhofer IPT	<b>Prof. Andreas Bührig-Polaczek</b> GI   Chair of Foundry Science and Foundry Institute	<b>Prof. Constantin Häfner</b> LLT   Chair for Laser Technology, Fraunhofer ILT	<b>Prof. Christian Hopmann</b> IKV   Institute of Plastics Processing	<b>Prof. Frank O. Flemisch</b> IAW   Chair and Institute of Industrial Engineering and Ergonomics	<b>Prof. Carmen Leicht-Scholten</b> GDI   Research Group Gender and Diversity in Engineering	<b>Dr. Georg J. Schmitz</b> ACCESS e.V.	
<b>Prof. Dirk Abel</b> IRT   Institute of Automatic Control	<b>Prof. Kirsten Bobzin</b> IOT   Surface Engineering Institute	<b>Prof. Christoph Broeckmann</b> IWM   Chair and Institute for Materials Applications in Mechanical Engineering	<b>Prof. Thomas Gries</b> ITA   Textile Engineering and Textile Institute	<b>Prof. Gerhard Hirt</b> IBF   Chair and Institute of Metal Forming	<b>Prof. Matthias Jarke</b> DBIS   Chair of Information Systems & Databases, Fraunhofer FIT	<b>Prof. Burkhard Corves</b> IGMR   Institute of Mechanism Theory, Machine Dynamics and Robotics	<b>Prof. Georg Jacobs</b> IMSE   Institute for Machine Elements and Systems Engineering	<b>Prof. Saskia Nagel</b> HumTec   Human Technology Center	<b>Prof. Karen Veroy-Grepl</b> AICES   Institute for Advanced Study in Computational Engineering Science
  	  	  	  	  	  	  	  	  	  
<b>Prof. Stefan Kowalewski</b> ES   Chair of Embedded Software	<b>Prof. Gerhard Lakemeyer</b> KBSG   Knowledge-Based Systems Group	<b>Prof. Frank T. Piller</b> TIM   Technology and Innovation Management	<b>Prof. Bernhard Rumpe</b> SE   Chair of Software Engineering	<b>Prof. Günther Schuh</b> WZL-PS   Chair of Production Engineering of E-Mobility Components, Fraunhofer IPT	<b>Prof. Klaus Wehrle</b> COMSYS   Chair of Communication and Distributed Systems	<b>Prof. Malte Brettel</b> WIN   Innovation and Entrepreneurship Group	<b>Prof. Michael Herty</b> IGPM   Institute for Geometry and Applied Mathematics	<b>Prof. Peter Loosen</b> TOS   Chair for Technology of Optical Systems, Fraunhofer ILT	<b>Prof. Volker Stich</b> FIR   Institute for Industrial Management
<b>Prof. Ulrich Krupp</b> IEHK   Steel Institute	<b>Prof. Verena Nitsch</b> IAW   Chair and Institute of Industrial Engineering and Ergonomics	<b>Prof. Uwe Reisgen</b> ISF   Welding and Joining Institute	<b>Prof. Robert Schmitt</b> WZL-MQ   Chair of Production Metrology and Quality Management, Fraunhofer IPT	<b>Prof. Wolfgang Schulz</b> NLD   Nonlinear Dynamics of Laser Manufacturing Processes Instruction and Research Department, Fraunhofer ILT	<b>Prof. Martina Zieffe</b> HCIC   Communication Science	<b>Prof. Stefanie Elgeti</b> CATS   Chair of Computational Analysis of Technical Systems	<b>Prof. Torsten Kuhlen</b> VR   IT Center	<b>Prof. Johannes Henrich Schleifenbaum</b> DAP   Chair of Digital Additive Production	<b>Prof. Sebastian Münstermann</b> IEHK   Steel Institute

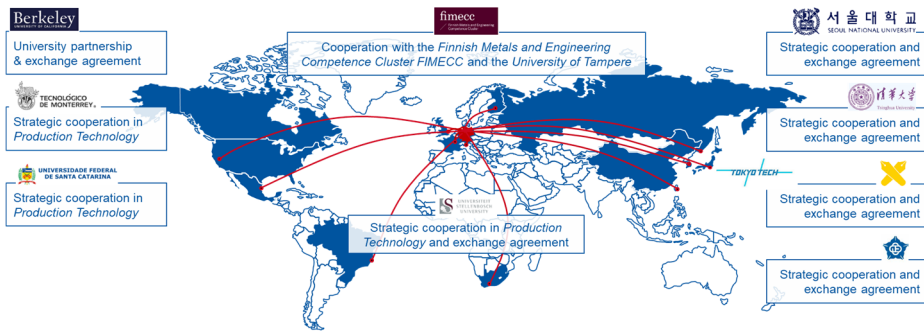
## Technology Transfer



## RWTH Environment



## International Scientific Network



## Industrial Advisory Board



- |                             |                          |                   |                         |              |                        |
|-----------------------------|--------------------------|-------------------|-------------------------|--------------|------------------------|
| 1 AZL                       | 6 Cluster Smart Logistik | 11 Fraunhofer ILT | 16 „Bogenhalle“, WZL    | 21 IEHK Labs | 26 IGMR Labs           |
| 2 Ramp-Up Factory           | 7 Smart Automation Lab   | 12 DPP            | 17 Cybernetics Lab, IMA | 22 IMSE Labs | 27 Cluster Photonics   |
| 3 M.A.R.S, WZL              | 8 MWH, WZL               | 13 IKV Labs       | 18 Rotter Bruch, WZL    | 23 IAW Labs  | 28 IT Center           |
| 4 IRT Labs                  | 9 ITA Labs & DCC         | 14 ZMB            | 19 IBF Labs             | 24 ISF Labs  | 29 Computer Sci.Center |
| 5 CNC <sup>3</sup> , WZL-WM | 10 Fraunhofer IPT        | 15 IOT Labs       | 20 GI Labs              | 25 IWM Labs  | 30 Fraunhofer FIT      |

source: Google Maps



## Contact

Dr.-Ing. Matthias Brockmann

Cluster of Excellence "Internet of Production"  
Campus Boulevard 30  
52074 Aachen

[m.brockmann@wzl.rwth-aachen.de](mailto:m.brockmann@wzl.rwth-aachen.de)  
[www.iop.rwth-aachen.de](http://www.iop.rwth-aachen.de)