

## CELEST Member Short Profile



### Jürgen Fleischer



Prof. Dr.-Ing. Jürgen Fleischer is head of the wbk Institute for Production Science since 2003. Prof. Fleischer studied mechanical engineering at the University of Karlsruhe (TH) and received his doctorate in 1989 at the Institute for Machine Tools and Industrial Engineering (wbk). From 1992 he held several managerial positions in industry before being appointed professor and head of the wbk Institute of Production Science at today's Karlsruhe Institute of Technology (KIT) in 2003. In addition, he has held a visiting professorship at Tongji University in Shanghai since 2012. As a recognized member of the scientific community, Prof. Fleischer is active in various national and international societies. For example, Prof. Fleischer is involved with the German Academy for Engineering Sciences (Acatech) and is a member of several scientific and industrial advisory boards. Prof. Fleischer has been spokesman for the Battery Competence Cluster InZePro ("Intelligente Batteriezellproduktion") of the Federal Ministry of Education and Research (BMBF) since 2020.

#### wbk Institute of Production Science

Machines, Equipment and Process  
Automation  
Kaiserstraße 12  
76131 Karlsruhe

#### Contact details

Prof. Dr.-Ing. Jürgen Fleischer  
+49 721 608-44009  
Juergen.Fleischer@kit.edu

#### Research areas

His main scientific research subjects are intelligent components for machine tools and handling systems, automated manufacturing systems for lightweight structures and the production of traction motors and energy storage systems for electromobility.

#### Lab equipment

A large number of high-quality systems and machines for research purposes are available at various locations. In the Karlsruhe research factory, the focus is on machine tools, lightweight manufacturing, electric motor production, agile battery production as well as fuel cell production. In addition to a calender on industry scale, several machines for the stacking process in battery cell production are available at the Battery Technology Center on Campus North.

#### Jürgen Fleischer @ wbk

[https://www.wbk.kit.edu/21\\_211.php](https://www.wbk.kit.edu/21_211.php)

#### Link wbk

<https://www.wbk.kit.edu/index.php>

#### Link lab equipment

<https://www.wbk.kit.edu/maschinen-anlagen-und-prozessautomatisierung.php>

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