



CURRICULUM VITAE

Univ.-Prof. Dr.-Ing. Thomas Bauernhansl

Director of Fraunhofer IPA

Responsible for the divisions »Networked Production«, »Intelligent Automation and Clean Manufacturing« and »Medical Engineering and Biotechnology«

Director of the Institute of Industrial Manufacturing and Management IFF, University of Stuttgart

PERSONAL DETAILS

Birth December 3, 1969 in Miltenberg, Germany

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Manufacturing Engineering and Automation IPA
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SCIENTIFIC FOCUS

- Biological Transformation (Biointelligence)
- Personalized Production (Mass Personalization)
- Factory Planning and Production Optimization
- Digital Transformation (Industrie 4.0)

UNIVERSITY ENGAGEMENT

- ARENA2036 : Active Research Environment for the Next Generation of Automobiles
- S-TEC: Stuttgart Technology and Innovation Center
- PZS Produktionstechnisches Zentrum Stuttgart (Center for Production Technologies Stuttgart)
- Campus Schwarzwald

PROFESSIONAL CAREER

since 9/2011	Director Fraunhofer IPA and Institute of Industrial Manufacturing and Management, IFF, University of Stuttgart
7/2014 –10/2016	Dean of Studies "Technology Management" University of Stuttgart
10/2012–1/2015	Head of Institute for Energy Efficiency in Production, University of Stuttgart
1/2011–8/2011	Freudenberg Sealing Technologies Head Global Process Technology
10/2007–12/2010	Freudenberg Sealing Technologies Head of Technology Center Europe <ul style="list-style-type: none">– Segmentation of production and location planning– Facility planning, outsourcing and ramp up management– Lean production (inclusive Six Sigma), technology management
11/2003–9/2007	Freudenberg Systems and Tools Engineering Ltd. Speaker of corporate management
7/2003–10/2003	Freudenberg Systems and Tools Engineering Ltd. Director of business unit "tool manufacture" <ul style="list-style-type: none">– Freudenberg Systems and Tools Engineering Ltd.– Assistant of Corporate Management
June 2002	Doctoral Degree Dr.-Ing. (summa cum laude) Thesis: Evaluation of Synergy Potential in Mechanical Engineering
3/2001–3/2003	Department Manager of "Integrated Product Development" and starting 2002 "Corporate Development"
6/1999–2/2001	Group Manager "Process and Technology Planning"
3/1998–3/2003	Research Assistant at the Laboratory of Machine Tools and Production Engineering (WZL), Chair of Production Engineering (Prof. Eversheim/ Prof. Schuh), RWTH Aachen University

EDUCATION

2/1998	Graduation: Dipl.-Ing. at RWTH Aachen
1991–1998	Study of Mechanical Engineering at RWTH Aachen University Focus: Manufacturing Engineering
9/1991	Lieutenant Reserve Officer
1989–1991	Soldier in training / reserve officer in the paratrooper's battalions
5/1989	High School Graduation (Abitur)
1980–1989	Karl-Ernst-Gymnasium, Amorbach
1976–1980	Elementary School, Weilbach

AWARDS

2002	Borchers-Plakette for doctoral thesis "with honor"
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MEMBERSHIPS AND COMMITTEE WORK

Managing Board Verein z. Förderung produktionstechn. Forschung FpF e.V.

Board Member of Leibold Group

Managing Board Member of Leichtbauzentrum Baden-Württemberg –
LBZ-BW e.V.

Research Board Member of Platform Industrie 4.0

Member of Board of Trustees IMPULS Foundation VDMA

Supervisory Board Member Technologieförderung Reutlingen-Tübingen GmbH

Member of Wissenschaftliche Gesellschaft für Produktionstechnik (WGP)

Member of Board of Trustees of Max Planck Institute for Intelligent Systems

Vice Chairman of the Steering Committee Alliance Industrie 4.0 BW

Board Member of »Zukunft der Arbeit/ Industrie 4.0« IG Metall

Board Member of Institute for Energy Efficiency in Production (EEP)
University of Stuttgart

Member of Board of Trustees KSB-Foundation

Advisory Board Member of the Executive Committee for Robot Olympics

Member and Representative of Fraunhofer with ManuFuture-DE

Member of CONNECT Advisory Forum EU Program »Horizon 2020«

Member of Steering Committee Fraunhofer Alliance Ambient Assisted Living

Board Member of C. Hafner GmbH + Co. KG

Strategic Advisory Board Member of Quadriga Capital GmbH

Board Member of des DEKRA e.V.

Member of Scientific Board of Bundesvereinigung Logistik (BVL) e.V.

Board Member of Accenture GmbH

Supervisory Board Member of EOS AG

Member of High-Tech Gründerfonds Investitionskomitee 1

Board Member of EJOT GmbH & Co. KG

Board Member of WAGO GmbH & Co. KG

Board Member of der SCIO Automation GmbH

Advisory Board Member of Fraunhofer Austria Research GmbH

Member of Expert Panel »Transition of the Automotive Industry«
Federal Ministry of Economic Affairs and Climate Action