

# **Prof. Dr.-Ing. Thomas Bauernhansl**

## **Personal Details**

Birth 12/3/1969 in Miltenberg (Germany)

Position and Address Director Fraunhofer Institute for Manufacturing Engineering and Automation IPA  
Director Institute of Industrial Manufacturing and Management IFF  
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## **Scientific Focus**

- Personalized Production
- Sustainable Production and Quality Management
- Advanced Complexity Management
- Factory Planning and Production Optimization
- Order Management and Value Networks
- Coating Systems and Painting Technology, Plating Technology
- Functional Materials, Additive Manufacturing and Digital Printing Technologies
- Lightweight Construction Technologies
- Industrie 4.0, Integrated Industry Production Strategies
- Biological Transformation of Value Creation

## **University Engagement**

- ARENA 2036 : Active Research Environment for the Next Generation of Automobiles
- S-Tech: Stuttgart Technology and Innovation Center
- PZS Produktionstechnisches Zentrum Stuttgart
- Guest Lecturer Executive MBA in Supply Chain Management (MBA ETH SCM)

## **Memberships**

- Member Gesellschaft für Fertigungstechnik in Stuttgart
- Member of Advisory Board Leipold Group
- Member and FhG Representative ManuFuture-DE
- Managing Board Member Lightweight Construction Center Baden-Württemberg – LBZ-BW e.V.
- Member of Scientific Advisory Board Platform Industry 4.0
- Member of Advisory Board of the Executive Committee Robot Olympics
- Member of Board of Trustees IMPULS Foundation VDMA
- Chair of Commission Ingenieurwissenschaften@bw2025 MWK Baden-Württemberg
- Vice-Chairman of Steering Committee "Allianz Industrie 4.0 BW"
- Member of the German Academic Society for Production Engineering (WGP)
- Member of FGW Forschungsgemeinschaft Werkzeuge und Werkstoffe
- Board Member „Future of Work/Industrie 4.0“ of the German Metal Workers Union / IG Metall

- Member of the Strategy Committee "Plattform Industrie 4.0" of the German Federal Government
- Board Member of the Institute for Energy Efficiency in Production (EEP) University of Stuttgart
- Member of Board of Directors of the EFFRA (European Factories of the Future Research Association)
- Member Steering Committee Fraunhofer-Allianz Ambient Assisted Living (AAL)
- Member of the Scientific Board of the German Logistics Association (Bundesvereinigung Logistik BVL)
- Member of High-Tech Gründerfonds Investitionskomitee 1, "K1"

## **Professional Career**

Today	Head of Fraunhofer Institute Manufacturing Engineering and Automation 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 University Institute for Energy Efficiency in Production (EEP)
1/ 2011 - 8/ 2011	Freudenberg Sealing Technologies <ul style="list-style-type: none"> <li>- Head Global Process Technology at worldwide 50 facilities</li> </ul>
10/ 2007- 12/ 2010	Freudenberg Sealing Technologies Head of Technology Center Europe at over 27 facilities in Europe with the emphasis on: <ul style="list-style-type: none"> <li>- Segmentation of production and location planning</li> <li>- Facility planning, outsourcing and ramp up management</li> <li>- Lean production (including Six Sigma)</li> <li>- Technology management</li> <li>- Development and optimization of manufacturing process</li> </ul>
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"> <li>- 4/ 2003 - 6/ 2003 Freudenberg Systems and Tools Engineering Ltd.</li> <li>- Assistant of Corporate Management</li> </ul>
6/2002	Graduation Dr.-Ing. (grade: 1, 0 / with honor) Thesis: Evaluation of Synergy Potential in Mechanical Engineering
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 <ul style="list-style-type: none"> <li>- 6/ 1999-2/ 2001 Group Manager "process and technology planning"</li> <li>- 3/2001-3/ 2003 Department Manager of "Integrated Product Development" and starting 2002 "Corporate Development"</li> </ul>

## **Experience Abroad**

10/ 2007 - 8/ 2011	Responsibility for 50 Freudenberg Production Sites worldwide
2003 - 2007	Responsibility for Production Site in Langres, France and Bursa, Turkey
10/ 1995 - 5/ 1996	Internship at the company Equinox in Bogota, Columbia

## **University Education**

2/1998	Graduation: Dipl.-Ing. at RWTH Aachen
1991-1998	Study of Mechanical Engineering at RWTH Aachen University Focus: Manufacturing Engineering

## **Military Service**

9/1991	Lieutenant Reserve Officer
1989-1991	Soldier-in- training/ reserve officer in the paratrooper's battalions

## **School**

5/1989	High School Graduation (Abitur)
1980 -1989	Karl-Ernst-Secondary School Amorbach
1976 -1980	Elementary School Weilbach

## **Awards**

2002	Borchers-Plakette for doctoral thesis "with honor"
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