



### CURRICULUM VITAE

#### Univ.-Prof. Dr.-Ing. Dipl.-Kfm. Alexander Sauer

Director of Fraunhofer IPA

Responsible for the divisions »Resource-efficient Production« and »Manufacturing and Process Engineering«

Director of the Institute for Energy Efficiency in Production EEP  
University of Stuttgart

### PERSONAL DETAILS

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Birth	August 21, 1976, in Coimbra, Portugal
Address	Fraunhofer Institute for Manufacturing Engineering and Automation IPA Nobelstrasse 12   70569 Stuttgart   Germany Phone +49 711 970-3600 alexander.sauer@ipa.fraunhofer.de

### SCIENTIFIC FOCUS

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- Industrial Energy Systems
- Sustainable Production and Quality
- Additive Manufacturing and Digital Printing Technologies
- Lightweight Construction Technologies
- Biological Transformation
- Battery Cell Manufacturing

### UNIVERSITY ENGAGEMENT

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- 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

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since 2020	Director Fraunhofer Institute for Manufacturing Engineering and Automation IPA
since 2019	Head of Division Resource-efficient Production, Fraunhofer IPA
2015 – 2020	Head of Department Efficiency Systems, Fraunhofer IPA
since 2015	Head of Institute for Energy Efficiency in Production, University of Stuttgart
2011 – 2015	Munich University of Applied Sciences – Full Professor in Manufacturing Technology – Head of the Laboratory for Applied Manufacturing Technology
2006 – 2010	HOERBIGER Automotive Komfortsysteme GmbH – Board Member, responsibility for the international operations – 1st. tier automotive supplier with three production sites in Germany, Poland and the US – business segments: automotive hydraulic motion control systems, automotive pneumatic seating comfort systems, pneumatic gear shift support systems for trucks – responsibility for industrial engineering, production, planning, production, logistics, maintenance, production strategies in terms of technologies and capacities for medium and long range planning
2002 – 2006	Laboratory for Machine Tools and Production Engineering (WZL), RWTH Aachen University – Research Associate – 2005 Chief Engineer, Head of Business Development

## EDUCATION

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2002 – 2005	Postgraduate at RWTH Aachen University Dr.-Ing. (summa cum laude) – Doctoral Thesis: Power-Based Development of Intellectual Capital in Collaborations in the Manufacturing Industry
1997 – 2002	Studies at RWTH Aachen University – Major subjects: Production Management, Machine Tools, Manufacturing Technologies, Quality Management, International Management, Technology and Innovation Management
1996 – 1997	Compulsory Military Service in the German Federal Armed Forces – Military Music Corps, Düsseldorf; Ambulance and Musician
1987 – 1996	Marienschule Leverkusen-Opladen

## HONORS AND AWARDS

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2007	Borchers Award, RWTH Aachen University
2004	CES-Award, VDI
2003	Springorum Award, RWTH Aachen University
2004 – 2006	Ph.D. Scholarship, Konrad Adenauer Foundation
2003 – 2005	Scholarship e-fellows.net

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**MEMBERSHIPS  
AND COMMITTEE WORK**

Expert and Member of the core group for the evaluation of the Swiss Competence Centers for Energy Research, SCCER of InnoSuisse (Schweizerische Agentur für Innovationsförderung)

Head of the Technical Committee (VDI) »Energy Flexible Factories«

Member of the Advisory Board of Reutlinger Energiezentrum für Dezentrale Energiesysteme & Energieeffizienz (REZ)

Member of the Advisory Board of Deutsche Unternehmensinitiative Energieeffizienz e. V. – DENEFF

Chairman of the Advisory Board of Umwelttechnik BW GmbH, Landesagentur für Umwelttechnik und Ressourceneffizienz Baden-Württemberg

Member of the Advisory Board of Regionale Kompetenzstellen Netzwerk Energieeffizienz of the Ministry of the Environment, Climate Protection and the Energy Sector Baden-Württemberg

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