

Curriculum Vitae

1. Personal Data

Name Prof. Dr.-Ing. Joerg Ernst Franke
 Born April 30th, 1964 in Erlangen, Germany
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2. Professional Occupation

since 03.09	Institute for Factory Automation and Production Systems (FAPS) Chair holder (>120 employees: 100 research assistants, 16 technical, 8 administration support; www.faps.de)	Friedrich-Alexander-University of Erlangen-Nuremberg/ Germany Main research areas: - Electronics Production - Manufacturing of electric motors - Assembly Automation/ Robotics - Home automation/ energy systems - Computer aided design and simulation of electronic and mechanical products
01.06-05.09	ABM Greiffenberger Antriebstechnik GmbH CEO and CFO (100 m € sales, 700 employees, 12 subsidiaries and 6 production sites worldwide; www.abm-antriebe.de)	Marktredwitz/ Germany - Functional responsible for all technical and administrative tasks (finance/controlling, personnel, purchasing, development, production, IT, etc.) except sales - Products: electrical drives, gears, controls - Applications: machines, fork lift trucks, cranes, medical equipment, mobile applications, biomass heatings, etc.
01.05-12.05	INA Schaeffler KG VP R&D and Sales/Marketing Asia/Pacific (500 m € sales; 5000 employees, 10 production sites)	Shanghai/ China and Herzogenaurach/ Germany - Heading all Asian country CEOs - Functional responsible for sales industry, automotive, distribution and R&D - Main countries: China, Japan, India, Korea, SE-Asia, Australia, South Africa - Responsible for all companies (esp. INA, FAG, LUK) and their integration
01.00-12.04	Bosch Steering Systems/ ZF Lenksysteme GmbH (ZFLS) 50% ZF AG, 50% Bosch GmbH Vice President Pump Division (sales >400 m €; 1700 employees; sites in Germany (3), France, Brazil, USA, Canada, China (2), Thailand, India)	Schwaebisch Gmuend/ Germany - Member of the Board of ZFLS - Procurement for ZFLS - Member of Top Management of ZF AG - Member of the Board of ZFDF (France), ZFHS (Canada), ZUA (USA; JV with Hitachi/ Japan), ZFSJ (China)

10.97-12.99	Robert Bosch GmbH Head of Strategic Projects/M&A (reporting to the CFO of Robert Bosch GmbH)	Gerlingen/ Germany <ul style="list-style-type: none"> - World-wide coordination and accomplishment of mergers, acquisitions and business area sale (due diligence, transaction, post-merger integration, auctions) - Preparation of restructuring projects and strategic business field analysis - Coordination of employment of consultants and investment bankers - Coordination of competitors` analysis - Controlling of business unit packaging machines (sales 400 m €) - Preparing strategic and budget planning
08.95-09.97	McKinsey & Company, Inc. Engagement Manager	Munich and Duesseldorf/Germany <ul style="list-style-type: none"> - Reengineering of automotive suppliers - Growth concept for an energy transmission and distribution facility company - Development of organizational structure and IT strategy for a telecom company - Creation of the system business for a telecommunication company
07.89-07.95	Friedrich-Alexander-University	Erlangen-Nuremberg/ Germany
02.93-07.95	Founder and Managing Director	Research Association Three-dimensional Molded Interconnect Devices (3-D MID; www.3d-mid.de)
01.94-07.95	Department Manager	Institute of Production Technology Department Electronics Production
07.93-07.95	Head of Bureau	Research and Technology Transfer
07.92-07.95	Project Manager	Application Laboratory for Automation and Industrial Robots (Alfi)
07.89-12.92	Project Coordinator	CIM-Technology-Transfer Centre
07.89-07.95	Research Employee	Institute for Manufacturing Technology and Production Systematic
07.83-07.89	Student Occupations	
07.87-06.89	Digital Equipment GmbH	Nuremberg/ Germany Consulting, training, and technical sales in Office Automation and CIM
09.86-12.86	Siemens AG Automation and Drives	Nuremberg/ Germany Project planning of automated production facilities
03.86-05.86	Siemens AG Industrial Solutions/Manutec	Fuerth/ Germany Planning, design and installation of robots
11.85-06.89	Friedrich-Alexander-University Research Student	Erlangen/ Germany Institute of Production Technology
04.84-09.86	Newspaper deliverer	Nuernberger Nachrichten

3. Education

08.95 – 07.97	McKinsey & Company, Inc.	Company internal Master of Business Administration
01.94 – 04.95	Doctor's degree (Dr.-Ing.) in Electronics Production	University of Erlangen-Nuremberg, Germany
10.83 – 06.89	Study Production Technology Completion: Diplom-Ingenieur	University of Erlangen-Nuremberg, Germany
06.83	High-School Diploma	Schwabach/ Germany

4. Honorary Activities and Honors

since 05.20	Member of the Board	Zentralinstitut für Wissenschaftsreflexion und Schlüsselqualifikation, FAU Erlangen
Since 11.18	Member	IEEE (www.ieee.org)
since 01.17	Project chairman	European Center for Efficient Transfer of Signals and Power in Mechatronic Systems (E Connect-Center; 2.2 m€)
since 12.16	Project chairman	European project Data Mining in Assembly and Production (E Asy-Opt; 5 m€)
since 11.15	Member	National Academy of Science and Engineering (acatech; www.acatech.de)
since 09.15	Member of the Board	Exhibition Rapid.Tech, Erfurt
since 10.14	Speaker of a research group of the German Research Foundation (DFG)	Optical component and interconnection technology (OPTAVER; www.optaver.de)
since 05.14	Member of the Supervisory Board	SHW AG, Aalen (www.shw.de)
since 11.13	Member of the board	EnergieRegion North Bavaria e.V.; research association for energy technologies
since 08.13	Member	International Research Association for Production Technology (CIRP; www.cirp.net)
since 03.13	Member of the board	Cluster Mechatronic and Automation (CMA) e.V., technology network of the Bavarian Ministry for Economics (www.cluster-ma.de)
since 02.13	Speaker	Joint Research Project Green Factories Bavaria (12 m €; 30 projects)
since 12.12.	Assessor	Umbrella organization of German industrial research associations (AiF e.V.; www.aif.de)
since 10.12	Founding chair	Bavarian Bionic Center (8 Mio €)
since 05.12	Member of the board	German Research Association for Assembly, Handling and Industrial Robots (MHI e.V.; www.wgmhi.de)
since 03.12	Managing director	Bavarian Research Center for Smart and Resource Efficient Private Homes (E Home-Center; 7 m €; 5 universities, 12 projects)
01.12 - 12.15	Scientific Speaker	German Research Ministry: Joint research project on power electronics (ProPower; 21 partner, 35 m €)
since 10.11	Conference Chairman	Electric Drives Production Conference (E DPC; www.edpc.eu)
since 04.11	Member	German Research Association of Production Technology (WGP; www.wgp.de)
since 03.11	Member of the research board	Energy Campus Nürnberg (www.EnCN.de)
since 05.10	Managing director	Bavarian Technology Center of Electric Drives (E Drive-Center; 9 m €)
since 01.10.	Assessor	German Research Association (DFG; www.dfg.de)

since 03.10	Chairman of the board	Research Association 3D Mechatronic Interconnection Devices (3-D MID) e.V. (www.3d-mid.de)
since 10.09	Conference Chairman	Conference Molded Interconnect Devices
03.09 - 12.09	Member of the advisory board	ABM Greiffenberger Antriebstechnik GmbH, Marktredwitz/ Germany
10.08 - 10.09	Chairman of the regional board of North East Bavaria	Employers' Associations of the Bavarian Electrical and Metalworking Industries
since 10.04	Shareholder	EMSIC Capital Management GmbH; financial and strategic advisory in acquisition and management of enterprises
02.97	Otto Kienzle Award in gold	German Research Association for Production Technology (WGP)
07.93-07.95	Chairman CAD/CAM-Standardization in Electronics	Institute for Interconnecting and Packaging Electronic Circuits IPC, Chicago, IL
since 01.87	Member	German Association of Engineers (VDI)

5. Tasks as Assessor and Reviewer

Reviewer of numerous research funding associations, e.g.

AiF, BMBF, DFG, IEEE, Landesstiftung Baden Württemberg, Österreichischer Akkreditierungsrat, Österreichische Forschungsförderungsgesellschaft (FFG) Italienisches Ministerium für Erziehung, Universität und Forschung (MIUR), International Journal of Production Economics (Elsevier), IEEE Vorhaben in Automationswissenschaft und Technik, wissenschaftliche Arbeitsgruppe in der Kunststofftechnologie etc.

Member of numerous conference program committees, e.g.

CIRP Conference on Assembly Technology and Systems (CATS), Conference on Electromobile Vehicle Conference on Future Automotive Technology (CoFAT), Electronics System Integration Technology Conference (IEEE/ ESTC), Electronic Circuits World Convention (ECWC), Internationaler MID Kongress, SMT/Hybrid/Packaging, Electric Drive Production Conference (IEEE/ E|DPC), Energy Transfer for Electric Vehicle Conference (E|TEV), Wissenschaftsforum intelligenter technischer Systeme, VDI-Tagung Industrielle Robotik, Electronic Ecodesign Congress), SPS/Drives, Automatica, International Electric Vehicle Conference (IEEE/ IEVC); Rapid Tech, Conference on Additive Manufacturing, WPG Journal of Production Engineering, Transactions on Computer-Aided Design of Integrated Circuits and Systems etc.

6. Tasks in Education (Selection)

Lectures

- Production Operations (Executive MBA)
- International Supply Chain Management
- Integrated Production Systems
- Production Systematics
- Automated Production Systems
- Handling and Assembly Technology
- Production Technology 1+2
- Production Systems in Electronics
- Electric Machine Building
- Molded Interconnect Devices
- Kinematics, Control and Programming of Humanoid Robots
- Technologies of Smart Living

Practical courses

- Manufacturing Processes 1+2
- Energy Efficient Production
- Programming of humanoid Robots

Erlangen, March 2022



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