Curriculum Vitae

Prof. Dr.-Ing. habil. Jürgen Beyerer

Personal Data

Name	Jürgen Beyerer
Date of birth	18. Oktober 1961
Nationality	German
Family status	Married, 2 children

Professional Data

Address at IOSB:	Fraunhofer-IOSB, Fraunhoferstraße 1, 76131 Karlsruhe +49 721 6091 210 juergen.beyerer@iosb.fraunhofer.de
Address at KIT:	Karlsruher Institut für Technologie KIT Institut für Anthropomatik Lehrstuhl für Interaktive Echtzeitsysteme IES Adenauerring 4 76131 Karlsruhe

Education and Positions

- 1989: Diploma in Electrical Engineering (with distinction), Universität Karlsruhe (TH)
- 1990 – 1994: scientific employee at the Institut für Meß- und Regelungstechnik, Universität Karlsruhe (TH)
- 1994: Doctoral degree in Engineering with a topic in image processing (with distinction), Universität Karlsruhe (TH)
- 1994 – 1999: Research assistant at the Institut für Meß- und Regelungstechnik, Universität Karlsruhe (TH)
- 1999: Habilitation with a thesis about the statistical assessment of additional knowledge in metrology at the faculty for mechanical engineering of the Universität Karlsruhe (TH)
- 1999 – 2004: Technical and Managing Director of Hottinger Systems GmbH and Assistant Managing Director of Hottinger Maschinenbau GmbH, Mannheim
- 1999 – 2004: Lecturer at the Universität Karlsruhe (TH) concerning: Automated Visual Inspection and Image Processing
- 2004 – present: Full Professor of Computer Science, Karlsruher Institut für Technologie KIT and Director of the Fraunhofer Institute of Optronics, System Technologies and Image Exploitation IOSB, Karlsruhe

Current memberships and duties (selection)

- Chairman of the Fraunhofer Group for Defense and Security VVS
- Member of the Fraunhofer Steering Committee (Präsidium)
- Member of acatech
- Deputy chairman of the *Themen-Netzwerk Sicherheit* at acatech
- Permanent member of the program committee of the conference Future Security
- Member of the scientific board of the journal „at-Automatisierungstechnik", DeGruyter
- Member of the scientific board of the journal „tm-Technisches Messen", DeGruyter
- Member of the scientific board of the journal „Strategie und Technik", Report-Verlag

- Member of the scientific board of MTA SZTAKI, Institute for Computer Science and Control, Hungary
- Co-Chairman AG7 Learning Systems in Hostile Environments of the German Platform for Learning Systems
- Co-Chairman of the Conference: Machine Learning for Cyber Physical Systems ML4CPS 2015, 2016, 2017, 2018 and 2020
- Co-Chairman of the Fraunhofer Strategic Research Field Artificial Intelligence FSF KI since 2020

Research interests

- Automated visual inspection and image processing
- Signal processing
- Fusion of heterogeneous data and information
- AI and ML in industrial applications
- Environment modelling for intelligent technical systems
- Security and privacy in technical systems
- System theory
- Measurement
- Man-Machine-Interaction

More than 470 publications in journals, conference proceedings, book chapters, and of books

Since 2004: first reviewer (*Doktorvater*) of 52 doctorates and one habilitation

1995   Messtechnikpreis des Arbeitskreises der Hochschullehrer für Messtechnik AHMT (German Measurement Technology Award)