

Ekkard Brinksmeier

Prof. Dr.-Ing. habil. Ekkard Brinksmeier graduated from the University of Hannover, Germany. After receiving his Dr. -Ing. degree in mechanical engineering 1982 he worked as Chief Engineer at the Institute for Production Engineering and Machine Tools, IFW, Hannover (Director: Prof. Hans Kurt Tönshoff).

After finishing his habilitation (extra scientific thesis) in 1992 he became a full professor at the University of Bremen, Director of the IWT, Institute for Materials Science, and Director of the LFM, Laboratory for Precision Machining. His scientific interests and research areas lie in the field of advanced manufacturing processes with special focus in the areas of ultraprecision machining processes down to nanometer tolerances, process integration (e. g., grind-hardening), development of sensor-integrated tools, development of advanced coolants in metal cutting and the generation of functional surfaces by machining. He is also the coordinator of the Transregional DFG Collaborative Research Center SFB/TR4, "Process Chains for the Replication of Complex Optics" which involves participation of the universities of Bremen, Aachen and Stillwater, Oklahoma, USA.

He has published more than 350 scientific papers and employs 30 scientific staff most of them being financed by third party funded projects. Prof. Brinksmeier is Fellow of CIRP and Fellow of SME and holds leadership positions in several associations and institutions including DFG, AiF, CIRP and others. Currently he is immediate Past President of the European Society for Precision Engineering and Nanotechnology, **euspen**. He has received several awards, most notably the CIRP F. W. Taylor Medal and the DFG Gottfried Wilhelm Leibniz Award which is the most prestigious German research award.