

Dr. Hans-Joachim Kolb – Executive Profile



Hans-Joachim Kolb is a technology entrepreneur and advisor with more than four decades of experience in building and guiding innovation-driven companies at the intersection of research, advanced engineering, and market application.

After studying and earning his doctorate in telecommunications, he founded MEDAV Digitale Signalverarbeitung GmbH in 1982 at the age of 28, with the goal of transferring advanced digital signal processing research into market-ready products for measurement and communication systems. Further entrepreneurial ventures followed, including LingKom GmbH, focused on multimedia and speech recognition, and TeWiSoft GmbH, established in close cooperation with the Technical University of Ilmenau.

Through sustained organic growth and a strong focus on high-end technologies, MEDAV developed into an internationally recognized provider of signal acquisition and direction-finding systems for the international security market. The company was later transferred to an international security-oriented owner and continued its successful development under Kolb's leadership.

Today, Hans-Joachim Kolb supports collaboration between users, innovators, and research institutions. As a business angel and advisor, he contributes strategic experience, market insight, and the conviction that sustainable innovation emerges from the close interaction of scientific excellence and entrepreneurial responsibility.

Personal data

Name	Dr. Hans-Joachim Kolb
Profession	Dipl.-Ing. (Univ.) communications engineering
Academic title	Dr.-Ing.

Academic education

University	1972 - 1977	Studies at the Friedrich-Alexander-University Erlangen-Nuremberg: Communications engineering, control theory, measurement, digital signal processing.
	1977	Diploma thesis: "Design and implementation of digital recursive filters", final university degree "Diplom-Ingenieur univ."
	1981	Obtaining the German doctorate with a thesis on: "Digital data transmission on the basis of a multi carrier technique" (today: OFDM).

Professional experience

Research	1977 - 1982	Scientific assistant at the professorship of Prof. H.W. Schüßler, Institute for Communications Engineering, FAU Erlangen-Nuremberg. Major fields of activity: data transmission, digital signal processing, design and implementation of digital systems and processors in hard- and software, research and teachings. Various publications in the fields of digital signal processing.
Management	1982 - 2012	Full technical and commercial responsibility as sole managing partner of MEDAV: business development, financing, controlling, organization, annual accounts, technology.
	2012 - 2015	Sole managing director of MEDAV GmbH: 30 Mio Euro sales, highly profitable, 90 employees, software development, system integration, electronics, international projects, security, NVH (noise vibration harshness).
	2015	Transfer of the management to the successor and Saab AB.
Business Development		Coordination of national and international research and development projects, also with German governmental and EU funding. Marketing, sales and project responsibility, focus international lighthouse projects. Focus: military, homeland and civil security, measurement, noise vibration, automotive.
	2019	Co-founder and business angel of Traversals Analytics and Intelligence GmbH

Membership

since 1983	Senior member of IEEE (Institute of Electrical and Electronics Engineers).
------------	--

Honorary posts

1990 - 2000	Member of the Chamber of Commerce in Erlangen.
1993 - 1995	Founding president of the Rotary Club Erlangen-Schloss.
2004 - 2006	Mentor at the Bayerische Elite Akademie (Bavarian Elite Academy).
2004 - 2009	Member of the Scientific Advisory Board of Forschungsgesellschaft für Angewandte Naturwissenschaften e.V. (FGAN, scientific association for applied science).
2002 - 2022	Member of the Representative Council (Vertreterversammlung) of the VR-Bank.
2008 - 2014	Member of the Administrative Board (Verwaltungsrat) of the Sparkasse Erlangen.
2010 - 2014	Member of the Chamber of Commerce (Industrie- und Handelsgremium) in Erlangen.
2010 - 2016	Member in the Board of Trustees (Kuratorium), Fraunhofer Institute for Communication, Information Processing and Ergonomics (FKIE).
2016 - 2024	Chairman of DITS.center e.V.
since 2024	Treasurer of DITS.center e.V.