

Dr. Hans-Joachim Kolb



Dr. Kolb started his first own business MEDAV Digitale Signalverarbeitung GmbH with the age of 28 years immediately after finalizing his academic education in 1982. The main objective was the introduction of innovative digital signal processing technology for products and systems in the market of measurement, communication and derived applications.

With the foundation of the LingKom GmbH in 1998 the spectrum of covered technologies was extended to multimedia and speech recognition. Speech solutions were based on technology developed originally by Entropic, a company which was sold to Microsoft in 1999. LingKom was sold to G-Data Software AG, Bochum in 2001.

In 2000 the TeWiSoft GmbH was founded in Ilmenau based on a long-term oriented cooperation with the Ilmenau University of Technology. Purpose of the enterprise had been the development of complex IT solutions with the focus on information fusion. TeWiSoft was merged with MEDAV in 2007.

MEDAV continued to grow organically specialized on high-end products focusing the global security market. MEDAV proved the position as an innovative enterprise with excellent reputation which was successfully demonstrated for example by receiving the order for the electromagnetic signal sensor system in Brazilian's SISFRON border surveillance project in 2013.

Dr. Kolb as editor published the comprehensive book "Contributions to Intelligence, Surveillance and Reconnaissance from the Sensor to the Back-Office" in 2012 (ISBN 978-3-9804152-3-1).

Since 2012 Saab AB is the sole stakeholder of the former MEDAV GmbH which developed to a 30 Mio Euro enterprise "Saab Medav Technologies GmbH" with Dr. Kolb as managing director until August 2015.

Since 2016 Dr. Kolb is acting as a consultant for security relevant projects.

A new phase of life began for my own pleasure as well as to my satisfaction in 2016. With the role change from managing director which I practiced for more than 33 years to a consultant, investor and potential business angel I feel the gracious freedom of acting for the benefit of supporting innovation, technology transfer and entrepreneurs in the security market.

The realization of these new goals resulted in an intensive engagement in the non-profit association DITS.center and in the support of start-up projects.

Ethical values, law and governmental regulations determine my personal understanding of doing business. My main concerns are best relations, trust and fairness in the relation with all business partners and colleagues also from the past.

It is a pleasure and an honor to serve the interests of advancing research and facilitating networks with clients, industry and researchers, now and in the future, together with friends and partners from around the world.

Dr. Hans-Joachim Kolb, December 2020

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

Science 1977 - 1982 Scientific assistant at the professorship of Prof. H.W. Schüßler,
Research 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.

Leadership 1982 - 2012 Full technical and commercial responsibility as sole managing partner of MEDAV: busi-
Management 2012 - 2015 ness development, financing, controlling, organization, annual accounts, technology.
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).
Transfer of the management to the successor and Saab AB.

Business Administration 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,
security market: military, homeland and civil security,
measurement market: end of line test, noise vibration, automotive.

Membership Senior member of IEEE (Institute of Electrical and Electronics Engineers).
Member of AFCEA International.
Member of the AOC (Association of Old Crows).
Member of the VDI (Verein Deutscher Ingenieure).
Member of the Rotary Club Erlangen-Schloss.

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).
Since 2002 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).
Since 2016 Chairman of DITS.center e.V.
DITS pursues the non-commercial goal of promoting applied research in projects for
applications in the field of civil and public security, including crime prevention. To this
end, the non-profit association supports national and international cooperation, grant
applications, technology transfer, information exchange and constructive dialogue
between different institutions and organizations. DITS also conducts its own research
projects and addresses issues in studies.

Languages German, English - business fluent, French - basic.