



## Biography

Professor Dr.-Ing. **Wolfram Stanek** is Consultant & Author for [Innovative Projects IP](#), coach, researcher, seminar manager, lecturer & advisor for R&D, Engineering, Knowledge Management & Executive Education with focus on international [universities](#), [companies](#) & [media](#) (books, press, web, radio, TV). As Advisor/Head of Lab “Automation and Robotics” at University of Applied Sciences Koblenz (HSK/DE) he was awarded as Senior Professor in 2012. Besides his lectures in Automation, Robotics, Electrodynamics, Mechatronics, Mathematics, Web Design, Knowledge Management, Memory Training for BA & Master students at HSK and other universities in EU and Asia during the past 2 decades he was / is also coach & advisor for hundreds of BA & Master Theses and intl. Internship students (SGU Jakarta, TU Oppeln) in Lab at HSK. A spectrum of his intl. R&D contributions is described in [VDE year book](#) “Labor Market - Electrical Engineering & IT, 2013/2014” with upgrades for Swiss German University SGU. Besides his advisor activities at HSK for Lab & Master projects 2014/15 he is also requested as SES expert for Consulting, Advice & Coaching different Universities in Asia: e.g. 2013/14 he was willing to instruct an oil & gas foundation Migas in Balikpapan / Indonesia re mechatronics, robotics, Green Tech, drilling technologies & knowledge management for needed upgrades of staff, rectorate & students including final exams, thesis & doctoral proposals. 2015 Prof. Stanek supported innovative Sri Vishnu Educational Society SVES in INDIA (Colleges SVECW & VDC, Institutes of Technology VITB & BVRIT) for Technical Education Quality Improvement Program by coaching & advice of staff and students for Mechatronics, Robotics, Automation, Knowledge Management, Memory Training & foundation of 2 new Centers of Excellence – PR by [diverse Media India](#). He has also confirmed the request for supporting a top University UGM, Yogyakarta, Indonesia in 2015. Since 2002 he is visiting Prof in Asia at further Indonesian universities: e.g. at SGU for staff & Master Theses in Mechatronics & IT and main author for 4 R&D publications with SGU co-authors (REM, InTech, VDE). His additional workshops in Indonesia were for universities Atma Jaya Jkt, UI, ITI, UBNS, UMN, and institutions e.g. German Embassy & Center, Goethe, Rotary Clubs, Hok Im Tong, High Schools, DAAD, EKONID and Media (TV LatiVi, TV RI etc). He has rejected the offered contract as SGU Vice Rector for “R&D and Knowledge Transfer” in 2012; but worked as SGU Director for “Knowledge Transfer, Innovation and Entrepreneurship” until Sept 2013 – serving for HSK in parallel. As SGU Director Prof Stanek trained staff & students at SGU, advised “Telecommunication XL-IT Cloud project”, MIT Master Thesis "Internet Security" PT.XYZ and also a SGU Rector re R&D, leadership, soft skills, moderation, mediation, web, PR, executive education, communication, marketing & SGU co-op with HSK / DE. He was / is consultant & seminar manager for interdisciplinary workshops at unis & academies in DE (HS Koblenz, Mainz, Augsburg; Unis Frankfurt, Chemnitz, Koblenz-Landau; Academy: Aesculap + TAE), in EU (TU Opole/Poland 2005-09; Academy Palma/Spain + Vienna /Austria), companies (DB, Lufthansa, Haribo, DC, TKM, Braun, Moeller, BME, NSM, Atlas Elektronik, IHK management centers etc), Mind Festival (Memo Masters), [Think on Board](#) (cruise lines AIDA + TUI Cruises + MS Einstein), [intl. Media](#) (TV DE, FR, ID, IN, Japan / web, radio, press, books: DE, A, ES, CR, Russia).

After his study in Engineering at TU Munich Prof Stanek served as scientific assistant & lecturer at TU Dortmund 1975-1981. His Ph.D. was earned in Theoretical Electrotechnics & Electrical Machines developing new math algorithm for fast computation in Engineering & Mathematics. 1981-1984 he was Head of Development at ThyssenKrupp magnet factory Dortmund, with realized intl. patents. After this period he was appointed as Professor at HSK, in parallel consultant for ThyssenKrupp Magnet factory etc. His R&D is based on electrical & mechanical engineering with interdisciplinary physics (mechanics, electrodynamics & applied analogies in hydrodynamics, aerodynamics, thermodynamics, diffusion), combined studies, creative learning, brain methods, memory training, strategies, and soft skills. First time in Germany Prof Stanek developed and installed a [new vocational study for Electrical Engineering](#) BIS-E in 1989. This dual study was a “combined study” between university, companies and students, working as employees in parallel. 1989-1994 he was Dean of BIS-E – appointed as Professor with grade class C4 plus. BIS-E was supported by German Federal Ministry BMBF Education & Research, Ministry MBWWK Education & Science and Federal-State Commission BLK-Nr.23/89 (€ 1.7 mio, 4 professors, 4 assistants, 2 secretaries) ... [p.1 of 2]

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During the last 2 decades Professor Stanek developed a high-tech [Lab for “Automation and Robotics”](#) at HSK. This new lab at University of Applied Sciences Koblenz produced excellent thesis works & lab engineers supported by main sponsors Siemens & B&R. Students at HSK (full time & vocational) and Internship students from EU and Asia, plus others can benefit from this lab. In 2010 Lab “Automation and Robotics” was selected by IT-City Koblenz and TV-experts as presentation of HSK in Image film of IT-City Koblenz

Professor Stanek’s lectures, seminars and R&D are based on a spectrum of subjects - both in areas of “Engineering” (Mechatronics, Automation, Robotics, Mathematics, Electrodynamics, Field Theory) & “Knowledge Management” (Strategies, Memory Training, Memo Speed Reading, Mind Mapping, Creativity Training, Communication Skills, PR, Spectrum of Media). In 2 decades he has advised ca 250 Thesis works in EU & Asia, has conducted various R&D projects (12) for engineering, education & knowledge management, is author of publications including books (23) and has patents for mechanical and electrical engineering (16).

Professor Stanek developed software systems for numerical computation of electromagnetic fields (MagnetoCAD) and 3D robot control & simulation (RobotoCAM) – applied in diverse companies, optimized by thesis works. He designed interdisciplinary web portals (wolfram-stanek.de) for his activities regarding knowledge & engineering. His new algorithm in mathematics for fast solution of huge equation systems is published in A.f.E. He developed special 3-D-magic-matrix calculations and defined a new magic unit check system for quick derivation of central formulas and equations in physics (SCIYO/InTech). The spectrum of his activities was reported in hundreds of articles in press & magazines (Germany, Austria, Spain etc) with respect to new education, health, fitness training, memory training, brain training, knowledge management, automation and robotics, inventions on technical exhibits at international trade fairs etc. He provided contributions for above mentioned topics on Radio & TV - for more than 10 different public and private TV channels in Germany, French-German TV ARTE (memory coaching), Indonesian TV LatiVi, TV RI (mechatronics, robotics, education), Japanese channel NHK (memory training, speed reading). He was main advisor for two brain games on Photoplay touch screens re “Brain Power – numbers & pictures” including info video, Photoplay Funworld/Austria, translations into 30 languages, tests in 40 countries EU & Asia.

Professor Stanek was honoured to be a member in the “Historical Database of living and deceased people in Rhineland-Palatine RLP - Germany” (national library centre RLP, 10.000 people from all centuries) as well as in “Who is Who World Society” (Huebner’s publishing house, 0.02 % of 82 Mio inhabitants in Germany)

Following [books, publications and patents](#) are examples of the application spectrum of Professor Stanek: “Electromagnetic transducer and sensors - Electromagnetic Fields and Applications in Mechatronics” (2002, Expert, German: common with heads of development ThyssenKrupp, Philips, Siemens, Bosch), “Memory Power” (2000, Midena, German: common with world’s leading brain coach and mind map inventor Tony Buzan), “Memory Training” (2006, Goldmann, German: co-author 1. German Memory Champion, coached by Prof. Stanek), “Super Memory“ (2009, Ripol, Russian: Сверхэффективная память. Как этого добиться. Новейшие методики и практики = Super efficient memory. How to achieve it. Latest techniques and practices), “Permanent magnetic charge taking or holding device” (1986, ThyssenKrupp, English: [international patents](#), worldwide application in motor car plants, main inventor Prof. Stanek). R&D for SGU: a) “[Magic Unit](#) Checks for Physics and Extended Field Theory ..” and b) “[Magic Mathematics](#) Based on New Matrix Transformations ...” (2010, SCIYO, InTech, English: co-authors heads of Faculty Engineering SGU). Innovative projects, coaching and publications in 2013/14: R&D Knowledge Management and Engineering, Lab “Automation and Robotics” including interdisciplinary projects for TIA Automation, e.g. “2 tons Portal Crane - Upgrade to Robot”: remote controlled & visualized Portal Robot with Mechatronic Design for multi-functional grippers– in co-op with HSK Master Students, Lab Assistant, SGU Internship, HSK servicing workshop, B&R Automation, ThyssenKrupp Magnetics, Festo, Siemens (reports in press, radio, papers, online platforms, IDW Info Service Science, VDE Year Book “[Labor Market Electrical Engineering & IT](#)” 2013/14)

Professor Stanek’s academic papers and books have appeared in English, German and Russian.

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