

# Curriculum Vitae of Günter R. Koch



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**Date of birth : 04.08.1947**

**Nationality : German**

**Family Status : married since 1974, 2 children (30 (f) and 27 (m))**

## Professional Career

- 2009 Adj. Prof. at the IICM Institute (Prof. H. Maurer) at the Graz University of Technology
- 2006 – 2008 Managing Director of the ‘Central European Institute of Technology’, Schwechat, Vienna Airport location, Austria ([www.ceit.at](http://www.ceit.at) )
- 2006 – ongoing General Secretary of THE NEW CLUB OF PARIS, an association engaged in supporting the transition of the “Information Society” into the “Knowledge Society” (see [http://de.wikipedia.org/wiki/New\\_Club\\_of\\_Paris](http://de.wikipedia.org/wiki/New_Club_of_Paris) - in German only so far - and [www.new-club-of-paris.org](http://www.new-club-of-paris.org) )
- 2004 – ongoing Chairman & Partner of *execupery* ([www.execupery.com](http://www.execupery.com) ), an enabler in technology & research management with special focus in IT & Software Engineering, and also Partner of KM-A (see [www.km-a.net](http://www.km-a.net) ), Austria’s leading knowledge management group.
- 2004/2005 Member of the EU High Level Expert Group on Intellectual Capital Reporting (i.e. preparing of Intellectual Capital Statements for augmented investment in research = “RICARDIS Report”)
- 2003/2004 Founding Managing Co-Director of the F+U Continuing Education Company, Vienna

- 2001 – ongoing President of the Austrian Association for Research in IT (AARIT)
- 2001 - 2004 **Chairman of the Board** (“Aufsichtsratsvorsitzender”) of TopCall AG, a Telecom Integration Company (filed at the Vienna stock exchange)
- 2001 - 2003 In addition to Mng. Directorship at Seibersdorf Research, **Member of the Management Board** (with responsibility for R&D) of the **Austrian Research Centers (Holding)** = ARC, shareholding 15 Research & Development companies, totalling to about 1000 highly qualified employees in R&D.
- 2002/2003 President of the Association “Austria Research” (“Forschung Austria”)
- 2000 – 2002 **Chairman of the Board** of the DotCom company offert.com AG, Vienna.
- 1998/2-2003 **Managing Director** with overall responsibility in Technology & Research of the **Austrian Research Centers, Seibersdorf** (ARCS, meanwhile called “ARC Seibersdorf research” = ARC Sr), a ~650 employees‘ organisation, active in all leading high tech areas, as well as in nuclear technology.  
ARC / ARC Sr was and is Austria’s largest organisation of its kind.  
By position as Mng. Director of ARC also **vice president of the board** of arsenal research GmbH, Austria’s 2<sup>nd</sup> largest federal R&D organisation, share owned by ARC.  
Member of the EUROTECH group, the No.1 European Round Table of Heads of European applied R&D organisations).  
University lectures on “Research Management” at Technical University of Vienna.
- 1998 / 1 **Head of Division IT & T/Telematics** of ARCS. Scope of technologies to be managed : Internet-IT, System Engineering, Telecom and Telematics solutions, High Performance Image / Vision, IT Safety & Security. Also : nominal **Professor in Telecommunication Management** at the Donau-Universität Krems from on 1998 until today.
- 1997 **Director** of SYNLOGIC AG, Basel, and top level **Enterprise Consultant & Software Architect at SUN Microsystems** Computer Corp.’s International Enterprise Center (IEC) in Geneva, Switzerland, with global responsibilities. Major Work : Consultancy to Swiss Government in IT Strategies and to UBS bank in their course of merger with SBC Bank, focussing on future IT architectures, in specific in “Enterprise Computing”
- 1993 - 1996 **General & Founding Director of the European Software Institute (ESI), Bilbao, Spain**, with general responsibility. ESI’s mission is R&D in software process methodology, consultancy in IT / SW project & process management and in associated information and training services. Management of all institute’s programmes, of its subcontractors and its contractual relationships on international level.

ESI at that time was shareowned by industry and the Basque Government and financed by the **European Commission**, which was the founding patron of this international institute.

Major objective of institute's work was the extension of ISO 9000- and TQM-standards such as the EFQM model for IT / SW organisations, generating a new follow-up ISO quality standard then being introduced in 1997. Special experience with system-, telecom- and banking-industries in all over Europe in specific applying standards such as ISO 15504. Customers served in all Europe and South America.

- 1991 - 1994 **Professor in System Analysis and System Construction** at Graz University of Technology and managing partner of an IT consultancy firm in Freiburg i.Br. , Germany (parallel to company directorship).  
Project leader in a pan-European project developing a breakthrough software process assessment methodology (called BOOTSTRAP), initially applied at BOSCH, SIEMENS, Deutsche Telekom, DATEV, Hofmann-La-Roche (Basel), as well as at City Bank (Düsseldorf) and other prime clients.  
<See also list of lectures at the end>
- 1988 - 1993 **CEO of the software house "2i Industrial Informatics"** in Freiburg i.Br., Germany, being the repositioned company Biomatic GmbH. Specialisation in integration projects for hospitals and publishing companies, and in software development for automation in industrial production and machinery. Customers mainly from Germany.  
Also Co-Mng. Director of a share-owned software company, 2i SynSpace AG in Basel, Switzerland.
- Member of the "Conseil Administratif" of the French "Université de Compiègne à Sévenan"
- 1985 - 1988 **Managing Director of** a public-private **Technology Centre** in Germany with major mission to create and to develop start-up high tech companies (in parallel to the maintained position as Mng. Director mentioned at Biomatic GmbH).
- 1982/83 **Member** of the very first IT R&D project **evaluation committee to the EU** in the then freshly started R&D programmes, today called EU Framework Programme. Continuation in this role actively to IT- related programmes of the EU Framework Programmes until 1992, then on demand. Taking up this activity as evaluation expert in **2003** in the 6<sup>th</sup> Framework Programme, there concentrating on Micro- & nano technologies.
- 1981 - 1985 Founder and **Managing Director of a software project company "Biomatic GmbH"**, specialised in medical and biological informatics. Clients mainly in Southern Germany.  
Founder of the **"Synergy Workshop"** (1984) bringing together twice per year most selected personalities from top management such as board members from very large companies as well as top directors from R&D working on subjects of multidisciplinary and transdisciplinary nature.

## Education / Honours

- 2006 (May) Decoration with the Austrian “Cross of Honour 1<sup>st</sup> Class for Achievements in Science and Arts”, awarded by the President of the Republic of Austria.
- 1992/98/03 Appointment as (Visiting) **University Professor** in Austria, approbated for reasons of qualification comparable to `Habilitation`. Today giving lectures on R&D management at University of Technology of Vienna (also having been finalist candidate in 1997 as Rector of this University as well as in 2000 at the University of Konstanz, Germany, as well as in 2003 as No. 2 candidate at the famous Vienna University).  
Holding a professorship at the “Danube-University” in Krems, Austria, in the domain of Telecommunications Management, there doing research in R&D methodologies.
- 2001 Award: “Kaplan Medaille” for the invention “Pattern Recognition applied to Bank Note Quality Control”
- 1987 - 1989 Participation in courses in general and special **advanced management**. Specific intensive education in **St. Gallen’s Management Center** (1998) in Switzerland.
- 1975 - 1981 Assistant and **Assistant Professor at Karlsruhe University**, Faculty of Informatics, Institute For Applied Informatics In Industrial Process Automation (Prof. Rembold). Special teaching and research in application oriented software construction / engineering and software management (maintaining to give lectures in the period after university employment).
- 1972 - 1975 **Master in Computer Science** at Karlsruhe Technical University. Thesis in adaptable and sizeable hardware architectures for interpretation of higher level languages.
- 1968 - 1972 **Bachelor in Electrical Engineering** at Karlsruhe University, including qualification in information electronics / control theory.
- 1967 - 1968 Practical **apprenticeship in electrical and mechanical engineering** at its time to be fulfilled as a precondition for admission to a Politechnical University in Germany.
- 1967 **Maturation** with awards at Kepler-Gymnasium, Freiburg i. Br., Germany

## Languages

*German* (native), *English* (fluent), *French* (good/fluent – see also appointment to French University Council), *Spanish* (passive / basic, as having worked in Spain for four years).

## Affiliations

- Member of German Association of Engineers (VDI, since 1967) and of German Society of Informatics (GI),

- Member of each the Swiss and the Austrian Computer Societies
- Member of German Society For Measurement and Control (GMR),
- Member of IEEE Software (USA), also being elected to their Industrial Advisory Board 1994 – 2002, continuing as past member,
- Member of ACM (USA)
- Associate of the KENOS Circle ([www.kenos.at](http://www.kenos.at) )
- (1991 - 1993) Member (on personal mandate) of the Administration Board of the Sévenan Branch of the French University of Compiègne, called for this post by former French Defense Minister and then Minister for Internal Affairs J.-P. Chevènement. (This mandate was reserved to a German industrial representative and was to end with my appointment to management position in Spain in 1993),
- Member of French-German Association for Scientific-Technical Cooperation
- Member of and adjunct professor at the Institute for New Media (Prof. H. Maurer) at Graz University of Technology.
- Member of the Economic Council ("Wirtschaftsrat") of the German Conservative Party (CDU)
- Member of the Management Circle of the Friedrich Ebert-Stiftung, Berlin
- Member of different Austrian Associations, partly being member of their boards
- Consultant (on demand) to the European Commission, German, Swiss and Austrian Governments.

## Publications, Scientific Work & related Expertise

More than 100 publications on specific topics in IT and SW engineering, software technologies (methods and tools, in specific in requirements engineering ), on general and special IT/SW management, process/project management, process measurement, financment and investment for company development, process analysis and change (management), as well as strategies for developing European IT / SW industries. Since mid of 90ties contributions to knowledge management, in specific to "Intellectual Capital Reporting", methods of company valuations and specific issues in Corporate Government. Creation of a set of **management methods for managing R&D organisations**, such as intellectual capital reporting, Active Scorecard Management, Visioning Workshop. Also having received the "Victor Kaplan Innovation Award" (1999, Vienna) which states achievements made in pattern recognition & interpretation technologies. Public (non scientific) articles on Science & Technology for large distribution in Newspapers. Frequent weekend columns in public newspaper on latest achievements in technologies.

## Lecturing (example)

Confirmation on lectures given @ Graz University of Technology: Koch Günter R., Prof. Dipl.-Inform. @ Institute IICM (Prof. Maurer / Prof. Haase) gave the following lectures in his period as Guest Professor in Graz				
Year	Semester	Topic	SWS	Type
1991/1992	SS	Structures of Systems	1	UE
1991/1992	SS	Structures of Systems	2	VO
1991/1992	WS	System Analysis	1	KU

1991/1992	WS	System Analysis	2	VO
1992/1993	SS	IT Project	3	PR
1992/1993	SS	Seminar in Computer Science	2	SE
1992/1993	SS	Structrues of Systems	1	UE
1992/1993	SS	Structures of Systems	2	VO
1992/1993	WS	IT Project	3	PR
1992/1993	WS	Seminar in Computer Science	2	SE
1992/1993	WS	System Analysis	1	KU
1992/1993	WS	System Analysis	2	VO
1993/1994	SS	System Analysis	2	VO

**Legend:**

KU .. Exercise in construction

PR .. Practical work

SE .. Seminar

SS .. Summer semester

SWS .. Number of hours per semester week

UE .. Exercise

VO .. Lecture

WS .. Winter semester