

Professional Activities

Date	Position
01/17 – NOW (MAGDEBURG)	Senior Scientist for Systems Biology, Laboratory for Systems Control, Institute of Automation, University of Magdeburg, Germany
10/13 – 12/16 (KU LEUVEN)	Principal Investigator for Cardiovascular Systems Biology (5 people), Department of CV Sciences, KU Leuven, 3000 Leuven, Belgium Tasks: Leading a Research Team, Establishing a biochemistry lab, Acquisition of Funding (220k), Presentation and publication of research
06/08 – 09/13 (MAINLY ROYAL COLLEGE OF SURGEONS)	95% Principal Investigator and Head of Systems Biology (5 people), Centre for Systems Medicine, Royal College of Surgeons (RCSI), Dublin 2, Ireland Tasks: Leading a Research Team in theoretical Systems Biology, Acquisition of Funding (500k), Presentation and publication of research, Participation in large-scale EU networks (FP7) 5%: Siemens consultant in life science (unpaid while maintaining Siemens affiliation). Tasks: Giving strategic advice on emergent trends in life sciences, contributing to Siemens Symposia
08/04 – 06/08 (SIEMENS IRELAND AND ROYAL COLLEGE OF SURGEONS)	50% Bioinformatics project manager (6 people), Siemens Ireland (Siemens Austria Secondment), Dublin, Ireland Tasks: Establishing industrial-academia research projects between Siemens and Irish Universities, Consultation to pharma projects (Novartis) and Bioprocessing Pipelines (SIPAT), Integration of Bioinformatics into clinical workflows (Soarian), Creating work flow processes for drug screening. Establishments of spin-offs and contracting. Financial project controlling and quality management for all projects. 50% Post-Doctoral research fellow for Systems Biology, Royal College of Surgeons, Dublin, Ireland (on Siemens payroll);
11/97 – 07/04 (SIEMENS AUSTRIA AND SUBSIDIARIES)	R&D project manager, team leader and engineer, Siemens AG, Vienna, Austria; Tasks: Software development for distributed systems in Communication technology (EWSD) and Clinical systems (Project AKIM-General Hospital Vienna) Secondment as technical sales project manager, Siemens Germany, Munich (03/01-09/01) Tasks: Back end consulting / tendering for telecom systems, front end sales through customer visits Secondments as team leader, Siemens Hungary, Budapest (03/99- 02/01, 15 people) Tasks: Building up two teams for Software Engineering in telecommunication, Establishing a new development site (Szeged/Hungary), Acquisition, distribution and controlling of work and resources, own SW Engineering projects
04/93 – 10/97 (TECHNICAL UNIVERSITY VIENNA & SECONDMENTS)	Research Fellow, Computational Physics, Technical University Vienna (PhD and Post-Doc) Secondment, University of South Africa, Pretoria (02/97- 06/97) Military Service, Vienna (04/96- 11/96) Secondment, University of Melbourne, Australia (02/97- 06/97) PhD in Computational Physics, TU Vienna, with first class honours (06/95, age 25, grade 1.0) Master Degree Technical Physics, TU Vienna, first class honours (01/93, age 22, grade 1.2)

Skills

Skill	Detailed Explanation
Team Leading and mentoring	> 15 years leading and mentoring expertise in academia and industry

	<p>At Siemens between 1997 and 2004, I directed and mentored teams of up to 15 people and was Siemens project leader in 2 EU FP5 Research and Development projects.</p> <p>As research project manager for Bioinformatics 2004 – 2007 in Dublin, 6 industrial scientists were directed for 2 - 3 years.</p> <p>At the RCSI from 2008, I directed 5 post-doctoral fellows, two PhD, one MSc student (completed in 2011), one research technician and co-supervised two collaborative PhD students.</p> <p>At KU Leuven, I am directing one PhD and one Masters Student as PI and I am Co-PI to two further PhD students.</p>
Acquisition	I have acquired scientific funding for 6 grants with about 1mio. EUR total
Technical Sales, Contracting, Negotiation	<p>I have worked 2 years in technical sales where I got a sales training (NLP, Presentation, Tendering, negotiation skills, contracting)</p> <p>I led and designed the contract negotiation between Siemens and an Irish SME.</p> <p>I was involved in negotiation with several pharma projects (Novartis, etc)</p>
EU projects & International contacts	I was PI to two projects in industrial workflows (Ambisense, Ubiquitous Web applications) and two further in Systems Biology for Biomarkers (www.angiopredict.org , www.aposys.org). Further, one Marie-Curie Industrial-Academia project between Siemens and the Royal College of Surgeons was managed. Through EU projects, I am closely linked to several SMEs in the field of diagnostic, biotechnology and biomarker development.
Programming languages	I have programmed in several high and low level languages such as R, MATLAB, Fortran, Chill, Assembler 486, Visual Basic. I am currently extending my knowledge of Java and C++. I have further programmed Client-Server systems and webtools.
Academic Publications	<p>>40 including first and last authorships in Molecular Systems Biology, Journal of Biochemistry, Journal of Neuroscience, Molecular Biosystems, bioinformatics.</p> <p>Fields of publications comprised of clinical biomarker studies, clinical workflows, engineering (automated imaging), cell biology, signal transduction analysis, quantum biophysics.</p>
Patents granted	4: Atherosclerosis Biomarkers, System Biology tools and Telecom networks
Organisation skills	<p>Organising committee, Neurons under stress symposium, RCSI, September 2012</p> <p>Editorial board: Computer Biology Journal, Hindawi publications (since 2012)</p> <p>Organising committee, 2nd International Systems Biology Workshop, Maynooth, Ireland, 2008;</p> <p>Organizer, International Workshop on Ubiquitous Web Applications, Siemens Forum Vienna, 2002</p> <p>Establishing a new R&D site in Szeged, Hungary in 2001</p>
Technological expertise	<p>10 years' experience in research and development of telecom and biomedical workflows.</p> <p>Between mid-2004 and end 2007, I successfully established research strands linking industrial expertise with high end research, including projects of tissue engineering, nanoscience and in silico drug screening.</p> <p>I further contributed to projects involved in lab-on-chip technologies and biomedical workflows.</p> <p>Between 2007 and mid-2008, I have also directed a project on automated imaging</p>
Intercultural skills	I have worked with colleagues from almost all major European countries and interfaced with colleagues to India, Arabic Country and US due to my link to R&D project management and technical sales
P. Management	Financial and mile stone controlling, MS Project, QM, Incident reporting
Languages	German (native), English (excellent), Dutch (C1 level), Hungarian (B2), Italian (B1), French (A2)