

CURRICULUM VITAE

PERSONAL INFORMATION

Name: Karol Fröhlich
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Nationality: slovak
Date of birth: August 3, 1954

WORK EXPERIENCE

Employer: Institute of Electrical Engineering, Slovak Academy of Science,
Dúbravská 9, 841 04 Bratislava, Slovak Republic
Position: Director of the Institute of Electrical Engineering, Slovak Academy
of Sciences, Bratislava since 2002,
Head of the Department of Thin Oxide Films
Research position: Research professor at the IEE SAS (DrSc degree),
Senior scientist
Research activity: Preparation of thin films by metal organic chemical vapour
deposition, structural and electrical characterisation
Advanced structures and devices for micro and nano electronics
Responsibility in international research projects: 4th EU Framework Programme: INCO Copernicus project
“Functional thin oxide films obtained by new MOCVD techniques”,
DEPOXIFILM, 1997-2000,
5th EU Framework Programme: Thematic network “Metal oxide
Multilayers obtained by cost-effective new CVD technologies for
magneto-electronic microsystems and nanotechnologies”,
MULTIMETOX, 2000-2003
5th EU Framework Programme: RTD project “Integration of Very
High-k Dielectrics with Silicon CMOS Technology”, INVEST,
2002-2004

	6 th EU Framework Programme: RTD project “InAlN/(In)GaN Heterostructure Technology for Ultrahigh Power Microwave Transistor, ULTRAGAN, 2005-2008
	7 th EU Framework Programme: RTD project: More Robust Gallium Nitride, MORGAN, 2008-11
Scientific management	Chairman of the 16 th Workshop on Dielectrics in Microelectronics, WoDiM 2010 Management of national research projects APVV, VEGA, projects of EU structural funds
International cooperation	LMGP, INPG, UMR 5628 CNRS, Grenoble, 38402 Saint Martin d’Heres, France, cooperation within SAS-CNRS agreement, 1994-2002 LMGP, INPG, UMR 5628 CNRS, Grenoble, 38402 Saint Martin d’Heres, France, ECO-NET 2004-2005 Instituto de Ciencia de Materiales de Sevilla, CSIC, 41092 Isla de la Cartuja, Sevilla, Spain, bilateral cooperation 2004-2005, 2006-2007 Institute of Solid State Physics, Sofia, Bulgaria, project of cooperation 2006-2008
Publication activity:	100 publications in international scientific journals More than 50 presentations at international scientific conferences More than 430 citations registered by the Web of Science database
Education responsibility:	Scientific secretary of the IEE SAS – responsible for PhD study, 1994-2002 Supervisor of thesis for 5 PhD students President of the Slovak committee for director of research grade (DrSc. degree) in Electrotechnology and Materials Participation in jury for PhD defence in Electrotechnology and Materials in Slovakia Participation in jury for PhD defence, University Bordeaux (1990), University Toulouse (1999), INPG Grenoble (2002, 2004, 2007), University of Tartu, Estonia (2007), review of the thesis, University of Helsinki, Finland (2008), Univ. Pierre & Marie Curie – Paris 6, France (2009)
Awards	Chevalier dans l’Ordre des Palmes Académiques, award of the French Ministry of Education and Research, 2009.
Long term stays	14 months postdoctoral stay at the Laboratoire de Chimie du Solide, CNRS, Bordeaux, France, 1989-90 9 + 3 months stay at the Laboratoire des Matériaux et du Génie Physique, INPG, Grenoble, France, 1992-3

Bratislava, October 25, 2010