

CURRICULUM VITAE

PERSONAL DATA



First Name / Surname	Gregor KOWARIK
Academic degree	Dipl.-Ing. (Msc.)
Address	Liechtensteinstr. 24 / 6a A-1090 Vienna, Austria, EU
Telephone	+43 (0) 664 425 46 28
Email	gregor.kowarik@gmail.com
Gender	Male
Date of Birth	1980 / Feb / 27 th
Nationality	Austrian
Native Language	German
Family Status	Married since 05 / 2004
Children	2

WORK EXPERIENCE

- | | |
|------------------------|---|
| Present Employment | <ul style="list-style-type: none">✓ Univ.Ass. position at the Vienna University Of Technology since October 2009✓ Employed at the Vienna University of Technology, Institute for general physics as project assistant, since March 2007 |
| IT Projects | <ul style="list-style-type: none">✓ 2004 (June 4th – Sept 30th): e-card Austria (electronic health insurance card). Assistant of the project leader “Realisierung”, technical integration, coordinating development and test team interaction (Siemens AG Austria)✓ 2001 (March 1st – Sept 30th): Project assistant for the Austrian electronic road pricing system (proposal phase) at Siemens AG Austria (Freelancer)✓ 2000 (Jan 1st – Sept 30th): IT Support at Max.mobil GmbH, Mobile telephone company (leased by Siemens AG Austria, part time, Freelancer) |
| Additional Internships | <ul style="list-style-type: none">✓ 1996, 1997, 1998, 1999, 2002, 2003 each two or three months at Siemens AG Austria, PSE IMB BAV / PSE BS BAV |
| Civil service | <ul style="list-style-type: none">✓ 1999 / 2000 Johanniter-Unfall-Hilfe (Ambulance) |

EDUCATION AND TRAINING

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|---------------------|--|
| Present | <ul style="list-style-type: none">✓ Ph.D. student at the Vienna University of Technology (Since 03/2007) |
| Academic training | <ul style="list-style-type: none">✓ Studies of <i>Technical Physics</i> at the Vienna University of Technology, finished with academic degree Dipl.-Ing. (M.Sc.) with honours |
| School | <ul style="list-style-type: none">✓ Elementary School (Wien 23, Bendagasse) 1986-1990✓ High school (Wien 13, Wenzgasse) 1990 – 1994✓ Higher technical school for electronics (HTL Mödling) 1994 – 1999✓ Final examination (“<i>Matura</i>”) in June 1999 with honours |
| Languages | <ul style="list-style-type: none">✓ Native German✓ English written and spoken✓ Basic knowledge of French |
| Additional Training | <ul style="list-style-type: none">✓ ITS LEIF summer school 2008: “Low energy ion beam techniques”✓ SFB616 Summer School 2009: “Energy dissipation at surfaces” |

HONOURS

- ✓ Participation at the *High Potentials Program* TUtheTOP 2009/2010
- ✓ Participation at the *High Potentials Program* TUtheTOP 2008/2009
- ✓ Studies of Technical Physics finished with honours
- ✓ Excellence scholarship granted by the faculty of technical natural studies (TNF) of the Technical University Vienna in 2002

SUPERVISION

Diploma Students	<ul style="list-style-type: none"> ✓ Kai Iskratsch (2009) ✓ Christopher Vasko (2009)
Bachelor Students	<ul style="list-style-type: none"> ✓ Elisabeth Gruber (2009) ✓ Martin Thalhammer (2009) ✓ Sarah Gumpenberger (2009) ✓ Ralf Brüstel (in progress) ✓ Robert Raab (in progress) ✓ Wilfried Mach (in progress) ✓ Friedrich Ladinig (in progress)
Project Students	<ul style="list-style-type: none"> ✓ Josef Kamleitner (2009)
Internships	<ul style="list-style-type: none"> ✓ Coline Lemaignan (2009) ✓ Armand Macé (2009)
Teaching	<ul style="list-style-type: none"> ✓ Laborpraktikum Physik (WS 2009)

RESEARCH, QUALIFICATION

Current activities	<ul style="list-style-type: none"> ✓ Interaction of highly charged ions with solid surfaces ✓ Ion guiding in insulating micro- and macro-capillaries ✓ Formation of nano-structures on surfaces due to ion irradiation ✓ Electron emission from solids due to particle irradiation, especially with highly charged ions, emission statistics ✓ Nuclear fusion, plasma-wall-interaction ✓ Re-design of the Ultra-High-Vacuum-System at the ECR ion source in Vienna (LI:ON laboratory infrastructure grant)
Special knowledge / skills	<ul style="list-style-type: none"> ✓ Laboratory practice (since 09/2005) ✓ Ultra-high-vacuum (UHV) technology ✓ Practise in Scanning probe microscopy (STM, AFM) ✓ Various ion sources (especially ECR), beam formation systems, detectors ✓ Ion optics, ion pulse formation ✓ Computer aided measurement control and data analysis (LabView, Igor Pro, Python, Scilab, and others) ✓ IT: Database (Oracle 9i), System administration (Linux), Programming experience (Java, PL/SQL, Python, Perl, C / C++, Turbo Pascal, Fortran 77), Rel. Database Design
Scientific stays abroad	<ul style="list-style-type: none"> ✓ 11/2004 @ CERN (Geneva, Switzerland) ✓ 02/2005 @ CERN (Geneva, Switzerland) ✓ 04/2008 @ CIRIL (Caen, France) ✓ 07/2008 @ FZD (Dresden - Rossendorf, Germany) ✓ 10/2008 @ MPIK (Heidelberg, Germany) ✓ 11/2008 @ CIRIL (Caen, France) ✓ 04/2009 @ MPIK (Heidelberg, Germany) ✓ 07/2009 @ MPIK (Heidelberg, Germany)

ADDITIONAL INFORMATION

- ✓ Local Organising Committee at the International Congress on Ultrasonics (ICU-2007), TU Wien, Austria, 2007
- ✓ Scientific advisor in *Miss Entropy*, a short film by A. Golczewski and L. Vossoughi
- ✓ Parents' representative at the „TU Betriebskindergarten“ (2008/2009)
- ✓ Deputy Parents' representative at the „TU Betriebskindergarten“ (2009/2010)
- ✓ Contributor to corporate video about the work-group Atom- and Plasma-Physics at the Institute of Applied Physics of the Vienna University of Technology
- ✓ Local Organising Committee at the 23rd Symposium on Surface Science (3S'10), St.Christoph/Arlberg, Austria, 2010