

### *Curriculum Vitae*

- 21.2.1979 born in Brno, Czech Republic
- 1997 - 2002 graduate study of Physics, Masaryk University in Brno
- 1998 - 1999 young research assistant at Plasmochemical laboratory at Masaryk University; thin films deposition using hollow tube discharge at atmospheric pressure
- 2000 - 2002 at Solid State Department of Masaryk University
- 2001 - 2002 also at Institute of Physics of Materials, Academy of Sciences of the Czech Republic  
(CZ-61662 BRNO, Žitkova 22)
- 2002 Master Thesis: *Martensitic Phase Transformations and Phase Stability* in the group of Prof. Mojmír Šob
- 2002 - 2006 PhD Study of Physics at University of Vienna
- since 2002 also at Center for Computational Materials Science (CMS)  
(Gumpendorferstr. 1A, A-1060 Vienna, Austria)
- may 2006 PhD Thesis: *Ab initio modelling of mechanical and elastic properties of solids* in the group of Prof. Raimund Podloucky
  
- 2006 - 2009 PostDoc at Technical University of Vienna  
supported by the Austrian NANO Initiative via FWF project "N404  
Modelling and experimental studies of VN/TiN interfaces and surfaces"
- February 2009 - December 2010 PostDoc at University of Vienna: DFT calculations of anharmonic lattice dynamics and martensitic transformations in Ti<sub>3</sub>Nb system in cooperation with Toyota Central R&D Laboratory