



## Call for Applications to the TU Vienna Doctoral Program on Functional Matter

Functionalizing matter at the atomic scale will be the ultimate nanotechnology and the driving force of science and technology in the near future. The Functional Matter Alliance at TU Vienna hosts the full range of research activities from fundamental science to technological applications, from ultra cold quantum matter to designed molecules and solids. The TU Vienna doctoral program on Functional Matter announces its openings for doctoral/graduate students in experimental and theoretical physics and chemistry of Functional Matter, with a strong emphasis on

- Cold atoms
- Functional hybrid materials
- Nanotechnology & Materials Engineering
- Strongly correlated electron systems
- Surface chemistry of nanostructures
- Transport through quantum confined matter
- Ultrashort laser pulse phenomena

The following faculty members are members of the doctoral program and will serve as thesis supervisors:

- A. Baltuska, Photonics, <http://info.tuwien.ac.at/photonik/>
- E. Bertagnolli, Solid State Electronics, <http://www.fke.tuwien.ac.at/>
- S. Bühler-Paschen, Solid State Physics, <http://www.ifp.tuwien.ac.at/> (Speaker)
- J. Burgdörfer, Theoretical Physics, <http://www.itp.tuwien.ac.at/>
- K. Held, Theoretical Solid State Physics, <http://www.ifp.tuwien.ac.at/>
- G. Rupprechter, Materials Chemistry, <http://www.imc.tuwien.ac.at/>
- J. Schmiedmayer, Cold Atoms, <http://www.atomchip.org/>
- U. Schubert, Materials Chemistry, <http://www.imc.tuwien.ac.at/>
- G. Strasser, Solid State Electronics, <http://www.fke.tuwien.ac.at/>
- K. Unterrainer, Photonics, <http://info.tuwien.ac.at/photonik/>

Details of the research possibilities within this doctoral program as well as on the application procedure are described on the Functional Matter web-site: <http://funmat.tuwien.ac.at/>. Applications shall reach us preferably **before August 31st, 2008**. This is the deadline for the first selection round. Applications arriving till the end of 2008 will still be considered if slots remain open. Selected applicants will be invited for interviews on either September 11 or September 19, 2008. Later interview dates will be fixed at need.