

University of Umeå, Department of Physics

Alexandr Talyzin, Assistant Professor, Umeå University, 901 87, Umeå, Sweden
Phone: +46 (0)90 786 63 20 E-mail: Umea_PhD@yahoo.com
http://www.phys.umu.se/nano_phys/Talyzin/



PhD position in Nanophysics, material science and hydrogen storage.

Applications are invited for fully funded PhD position in experimental physics department, University of Umeå, Sweden. The successful candidate is expected to work with synthesis of new nanomaterials for hydrogen storage applications (clathrate hydrates, MOF-materials, carbon nanomaterials), measurements of hydrogen adsorption, synthesis of new carbon-hydrogen materials based on fullerenes. He/she will be engaged in synthesis and characterization of various new materials using X-ray Diffraction, Raman spectroscopy and mass spectrometry. Previous experience with above listed methods is not obligatory but would be an advantage. M.S./M.Phil. in Physics, Chemistry or Material science is generally required. Only motivated candidates with fluent English are encouraged to apply. The work will involve handling and operating hydrogen at high pressures, therefore high accuracy and responsible approach are required for safety.

As a PhD student you will perform research, study PhD courses and participate in undergraduate education. The objective of a PhD student position is to obtain a PhD degree, with the intermediate goal to obtain the degree of Licentiate. The time period for the position is limited to five years.

Interested candidates should include a curriculum vitae, a list of publications, names and contacts of one-three references and a cover letter summarizing your qualifications and motives for applying. Selected candidates will be interviewed at Umeå or by the phone.

Position is opened until filled, expected time of start is March-April 2008.

For applications and further information please contact:
Dr.Alexandr Talyzin Umea_PhD@yahoo.com