

## Curriculum Vitae

### *Personal data*

first name: Natalya  
 last name: Pertaya  
 date of birth: 19/12/1975  
 place of birth: Odessa, Ukraine

### *Course of education*

since mid of 2000 PhD student in Freie Universität Berlin, Germany, with Prof. Dr. K.-H. Rieder. Research methods: Scanning Tunneling Microscopy (Room temperature and Low temperature) and Helium Atom Scattering. Room temperature STM was built by me as a part of my PhD project. Research systems: Ga(010), Ferrocene molecules/Ag(111), Ni(111), W(110).

from October 1997 member of the group of Prof. Dr. A. Gohkman in the Southukrainian State University Odessa in the department of Physics of condensed matter and solid state physics

from September 1992 study of physics at the State University of Odessa  
 until July 1997 completion in theoretical physics (particle and high energy physics)

November 1990 change of high school to Gymnasium number 36 in Odessa  
 until July 1992 specializing in physics

from September 1982 studying in the Gymnasium number 35 in Odessa  
 until October 1990 with extra courses in English language

***Additional practical experience***

- 2002 - 2003            assembling scanners for Low Temperature STM for CREATEC (sold by Specs)
- autumn 2002            giving lab course in optics for the students of 3/4th semester of Freie Universität Berlin
- from January 1998    giving lab course in general physics (mechanics) for students of 1st and 2nd semester in physics and mathematics of Southukrainian State University, Odessa

***Conference contributions***

- AVS 2003, Baltimore, USA            *On the stability of Besocke type scanners* (poster)
- STM03, Eindhoven, Netherlands    *On the stability of Besocke type scanners* (poster)

***Publications***

K.-F. Braun, S.-W. Hla, N. Pertaya, H.-W. Soe, C.F.J. Flipse, K.-H. Rieder  
*'Force, current and field effects in single atom manipulation'*  
 Proceeding of the STM03 conference (2003).

N. Pertaya, K.-F. Braun, K.-H. Rieder  
*'On the stability of Besocke type scanners'*  
 Rev.Sci.Instr., in press

N. Pertaya, K.-F. Braun, K.-H. Rieder  
 ` *The  $\alpha$ -Ga (010) surface investigated by room and low temperature scanning tunneling microscopy and spectroscopy* ` , in preparation

N. Pertaya, K.-F. Braun, K.-H. Rieder  
 ` *Cyclopentadienyl Molecules on Ag (111)* ` , in preparation