

Curriculum vitae, Leonid Gorelik

Personal details:

Born in 1952 in Kharkov, Ukraine,
Swedish citizen

Address: Dept of Applied Physics, Chalmers University, SE-412 96 Göteborg, Sweden

Tel.: +46-31-7723143

Email: gorelik@chalmers.se

Education:

1969-1975 Moscow Institute of Physics and Technology, Moscow; M S in Theoretical Physics

1975-1977 Moscow Institute of Physics and Technology, Moscow; Ph D program in Theoretical
And Mathematical Physics

1984 Institute for Low Temperature Physics and Engineering, Kharkov, Ukraine; Ph D in
Physics and Mathematics. Thesis entitled "Quantum interference phenomenon in metals
under conditions of magnetic breakdown", supervisor Professor A. Slutskin.

1994 Habilitation Degree from the Higher Attestation Committee of Ukraine. Doctor of Phys
and math. sciences; specialty - "Theoretical Physics". Thesis subject: Quantum
localization and Non-linear phenomena in pure low-dimensional electronic system.

2009 Docent Competence: Docent in Physics, Chalmers University of Technology.

Employment:

On the research staff of the Institute for Low Temperature Physics and Engineering, Ukr. Academy
of Sciences

1978-1986 Junior Research Scientist of the Theoretical Department

1986-1999 Senior Research Scientist of the Theoretical Department

On the research staff of the Chalmers University of Technology and Göteborg University

1995-1999 Guest scientist, Department of Applied Physics

1999-2008 Researcher, Department of Applied Physics

2008- 2009 Universitetslektor, Department of Applied Physics

2009- Docent, Department of Applied Physics

Honors and Assignments

Member of the American Physical Society

Scientific Fields of Interest: Theory of electron correlation effects in low dimensional- and
inhomogeneous systems. Interference phenomena and quantum localization. Electron transport in
low dimensional systems. Coulomb blockade and single electron tunnelling. Mesoscopic
superconductivity. Nanoelectromechanics.

Publications: Over 80 refereed publications in international journals and proceedings

Conference organization, visits to other institutions, etc.: Organizer or co-organizer of 2
international and 3 national conferences. Visiting research positions held at the Center for
Advanced Study, Norwegian Academy of Sciences, Oslo, Norway (2000); Argonne National
Laboratory, Argonne, USA (2001,2002,2003, 2004,2005,2006).