CURRICULUM VITAE
Vitaliy A. Goryashko

Home Address:
Torgny Segertsdets Alle 34,
Uppsala, 75644
Sweden

Tel: +46 76 20 57 997 (mobile)
E-mail:
vitgor06@gmail.com
vitaliy.goryashko@physics.uu.se

EDUCATION AND QUALIFICATIONS

Docent: Uppsala University (**UU**), 2019
The docent qualification is the recognition of high-quality research and teaching.

PhD Degree:

2004 - 2008	Institute for Radiophysics and Electronics of the National Academy of Sciences of Ukraine (IRE NAS of Ukraine), Kharkiv, Ukraine
Thesis	"Dynamics of electrons and amplification in a planar Free-Electron Laser under the magnetoresonance"
Supervisor	DPhil (Oxford University) in Mathematical Physics, K.V. Ilyenko

Higher education

1999 - 2003	B.Sc. in Applied Physics; **Diploma with Honours**: Faculty of Microwave physics, Kharkiv National University, Ukraine
2003 - 2004	M.Sc. in Microwave physics and Electronics; **Diploma with Honours**: Faculty of Microwave physics, Kharkiv National University, Ukraine

WORK EXPERIENCE

2021 – to date	Asoc. Prof. at UU, research (60%) + teaching & supervision (40%)
2014 – 2021	Researcher at UU, research (75%) + teaching & supervision (25%)
2012 – 2014	Postdoctoral Researcher at UU
2011 – 2012	Postdoctoral Researcher hosted by UU and funded by the Swedish Institute under the VISBY program
2008 – 2012	Researcher at National Academy of Sciences (NAS) of Ukraine, Department of Vacuum Electronics
2002 – 2008	Junior Researcher at NAS of Ukraine, Dep. of Theoretical Physics

SUPERVISION OF PhD STUDENTS:

Supervisor of	Georgii Shamuilov, graduated in 2022
	Anirban Krishna Bhattacharyya, graduated in 2018
Co-Supervisor of	Long Hoang Duc, graduated in 2020

APOIINTMENTS/BOARD PARTICIPATION:

2020	Evaluator for the US Department of Energy, the main funding body for fundamental science in the US
2019	Evaluator for FAPESP, which is the most prestigious funding body in Brazil (budget > 200 M€).

2018	Consultant for a prestigious Swedish private foundation (the name cannot be disclosed)
2016	Member of the Scientific Advisory Board for the IPAC17 conference (~ 2 000 participants)

PEDAGOGICAL EDUCATION AT UU:

2013	Doctoral Supervisor Training
2014	Academic Teaching Training Course
2017	Doctoral Student Supervision
2017	Supervision of Master Projects
2017-2018	Academic Leadership

PROJECT LEADER & FUNDING GRANTED IN COMPETITION:

2023	EU-funded project Muon Collider, 2022-INFRA-DEV-01-01 (100 kEuro)
2022	VR Project Grant, 2016-04593, Sweden (400 kEuro)
2019	Pedagogical development funding, UU (20 kEuro)
2018	Soft X-ray Laser at MAX IV, Wallenberg Foundation, (600 kEuro)
2018	EU-funded project CompactLight, 777431 (100 kEuro)
2017	STINT Initiation Grant, IB2017-7026, Sweden (15 kEuro)
2016	VR Starting Grant, 2016-04593, Sweden (300 kEuro)
2011	VISBY project from the Swedish Institute, Sweden (22 kEuro)

R&D WORK

During the last 10 years I participated and led many projects. Below some key projects are pointed out.

2012-2015	design work of an accelerator-based combined THz/X-ray source for university laboratories
2012-2017	with colleagues built a test bench for the characterization of superconducting cavities and cryomodules. I gained extensive experience with microwave frequency systems and measurements, electronics and control systems.
2018-2021	design of a Swedish Soft X-ray Laser at MAX IV, I was responsible for the design of X-ray optics and X-ray diagnostics
2019-2022	design of an innovative X-ray Free-Electron Laser funded through the EU project CompactLight, 777431. I was responsible for collecting and analysing the needs of the X-ray user community in order to formulate the technical specifications. Later, I was responsible for the workpackage on the design of X-ray optics and X-ray diagnostics.
2021-2023	I was supervising the complete design of an accelerator-based Compton X-ray source for Uppsala University.
2023-till now	I am leading the Uppsala contribution to the Proton Complex Design together with colleagues from the European Spallation Source as part of the EU project Muon Collider.

OUTREACH:

2019	Organizer and Chair of the “Student workshop on modern physics: Photonics and Extreme Light” at Taras Shevchenko National University of Kyiv, Kyiv, Ukraine, February 7-8th (https://indico.uu.se/event/569/). Supported by STINT.
2017	Organizer and Chair of the “Student workshop on modern physics: Flatland Optics and Extreme Light” at V.N. Karazin Kharkiv National University, Kharkiv, Ukraine, December 18th (https://indico.uu.se/event/454/). Supported by STINT.