

Curriculum vitae

Name: Oleksandr O. Gomonnai
Address: 45/16 Chornovola St., Uzhhorod 88000 Ukraine
Sex: Male
Date of birth: May 18, 1984
Place of birth: Uzhhorod, Ukraine
Nationality: Ukrainian
Marital status: Married
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Degrees:

2005 – Bachelor of Physics, accomplished at Uzhhorod National University, Uzhhorod, Ukraine
2006 – Master of Physics, accomplished at Uzhhorod National University, Uzhhorod, Ukraine
2009 – Candidate of Sciences (Ph.D.), Physics and Mathematics, accomplished at Uzhhorod National University, Uzhhorod, Ukraine

Education:

2001 – 2006 – Faculty of Physics, Uzhhorod National University, Uzhhorod, Ukraine
2006 – 2009 – Ph.D. student, Faculty of Physics, Uzhhorod National University, Ukraine

Work experience:

08.2006- 11.2006 – Junior Researcher, Uzhhorod Scientific and Technological Centre for Materials of Optical Information Carriers, Institute for Information Recording, Ukraine National Academy of Science, Uzhhorod, Ukraine
09.2009-02.2010 – Lecturer, Department of Optics, Uzhhorod National University, Uzhhorod, Ukraine
02.2010- present time – Associate Professor of Department of Optics, Uzhhorod National University, Uzhhorod, Ukraine

Research internship:

June- August- 2013 – Research visit to Technische Universität Chemnitz granted by DAAD scholarship “Raman studies of phase transitions in sulphur-rich $\text{TlIn}(\text{S}_{1-x}\text{Se}_x)_2$ single crystals” (codenumber A/12/85971)
April - July 2021 –internship at the Faculty of Science and Technology of Jan Dlugosz University in Czestochowa, Poland according to the scientific project entitled “Evolution of thermoelectric properties of TlBX_2 based materials under the size restrictions and doping” co-financed by the Polish National Agency for Academic Exchanges under project PPN/BUA/2019/1/00078/U/00001, and the Ministry of Education and Science of Ukraine (project No. 0121U114007).

Participation in scientific projects:

“Phase diagrams of state and field effects in low-dimensional crystals with different types of dipole ordering”, (Ministry of Education and Science of Ukraine, Project #0109U000871) (2009-2012);
“Polycritical phenomena and structural phase transformations in low-dimensional crystals at high hydrostatic pressures”, (Ministry of Education and Science of Ukraine Project# 0112U001555) (2012-2014).
“New effective polytypic acousto-optical materials based on chalcogenides groups of TlInS_2 crystals. Optimizing the geometry of acousto-optical interaction” (Ministry of Education and Science of Ukraine, Project #0117U000802). (2017-2020)
"Evolution of thermoelectric properties of TlBX_2 based materials under the size restrictions and doping "co-financed by the Polish National Agency for Academic Exchanges under project PPN/BUA/2019/1/00078/U/00001, and the Ministry of Education and Science of Ukraine (project No. 0121U114007) (2020-2021)

Skills2Scale (Deep Tech Empowerment for Higher Education Institutes) / EIT HEI Initiative (Funded by the European Union) (2023-2024).

“Sustainable Optical Materials and Methods: Education and Research Infrastructure (SOMMER!)”, DAAD

“SDG-Partnerships” (2024-2027)

Research experience

Optical absorption, ellipsometry studies, Raman spectroscopy, dielectric measurements, birefringence, high-pressure optical and dielectric measurements

Languages:

Ukrainian – native

English – communicative and professional, B2 (Certificate No LC №0318, UzhNU)