Curriculum vitae

Nikita Dubitskiy

Nikita Vladimirovich Dubitskiy. Physicist and research engineer at IRE RAS.

nikita.dubitskiy@gmail.com · nikdubitskiy.github.io · ORCID: 0009-0003-1723-8103

Research experience

2023 — present

Research engineer

Kotelnikov Institute of Radioengineering and Electronics, RAS

Laboratory No. 233, IRE RAS ↗

Epitaxial oxide thin-film growth, structural and spectroscopic characterization, and electrical transport measurements.

Education

2024–2026

Master’s degree in Physics

HSE University · Faculty of Physics

Master’s thesis ↗

2020–2024

BSc · Nanotechnology and Microsystem Engineering

MIREA — Russian Technological University

How I came to this topic

At MIREA, I studied Nanotechnology and Microsystem Engineering. My early conference work concerned liquid crystals and microplastic detection. I then moved to oxide films, X-ray diffraction and electronic transport. During my master’s degree at HSE University, this developed into a study of substrate effects in $SrIrO_3$.

Selected academic distinctions

- Prize winner, VI Student Conference “From Galactic Nuclei to Atomic Scales”, HSE University (2024).
- Second-degree prize diploma, 66th All-Russian Scientific Conference, MIPT (2024).

“Engine of Science” nomination

Fakel NTO award

My profile on the award website follows my route from liquid crystals to strontium iridates, first papers and conferences.

Read my profile ↗

Experimental methods

Growth	RF magnetron sputtering
Structure & morphology	XRD, reciprocal-space mapping, AFM
Chemical state	X-ray photoelectron spectroscopy
Transport	Low-temperature resistance, Hall effect, magnetotransport
Analysis	Python, Origin, MAUD; fitting and uncertainty estimation

Conferences

Topics, dates and sources →