



Nursulton Abdurakhimov

Date of birth: 29/08/1996 | **Nationality:** Uzbek | **Gender:** Male | (+33) 0766580769 |

nursulton.abdurakhimov@gmail.com | nursulton.abdurakhimov@greateyes.de |

Zimmer 02.03.07.01, Haus 2, 18 Abram-Joffe-Straße, 12489, Berlin, Germany

● EDUCATION AND TRAINING

01/09/2019 – 30/09/2021 – Jardin du Pharo, 58 Boulevard Charles Livon, Marseille, France
EMJMD IN EUROPHOTONICS – Aix Marseille University

<https://www.europhotonics.org/wordpress/>

06/04/2020 – 30/09/2021 – Karlsruhe, Germany
EMJMD IN EUROPHOTONICS – Karlsruhe Institute of Technology

<https://www.kit.edu/>

01/09/2015 – 15/06/2019 – Arkhangelsk, Russia
BACHELOR IN NANOTECHNOLOGIES AND MICROSYSTEM ENGINEERING – Northern Arctic Federal University

<https://narfu.ru/en/>

01/09/2018 – 18/12/2018 – Yliopistokatu 2, Joensuu, Finland
STUDY ABROAD PROGRAM – University of Eastern Finland

<https://www.uef.fi/en>

01/10/2021 – CURRENT – Berlin, Germany
SMART-X MSCA ITN DOCTORAL RESEARCHER – greateyes GmbH

<https://www.greateyes.de/>

● WORK EXPERIENCE

01/04/2021 – 30/09/2021 – Lausanne, Switzerland
MASTER THESIS INTERN – LACUS, EPFL

Femtosecond timing tool for time and angle-resolved photoelectron spectroscopy;

02/11/2020 – 10/03/2021 – Marseille, France
INTERN (PART OF MASTER PROGRAM) – LABORATORY LP3

· Experiments on ultrafast laser solid interactions (Ultrashort-pulse laser interaction with dielectrics and semiconductors; Laser-induced forward transfer of biological material; Laser beam shaping)

17/08/2020 – 02/10/2020 – Lausanne, Switzerland
INTERN – LACUS, EPFL

· Pump-seed-pulse synchronization for optical parametric chirped pulse amplification (OPCPA).

03/02/2020 – 03/04/2020 – Marseille, France
INTERN – LABORATORY LP3

- Building the experimental setup(using axicons) enabling to produce beam-shaping of ultrashort lasers

09/09/2019 – 24/01/2020 – Marseille, France
INTERN (PART OF MASTER PROGRAM) – LABORATORY LP3

- Building the electronic circuit board enabling to integrate the laser pulse energy received by a photodiode
- Automation of an ultrafast pump/probe experiment using the electronic circuit

03/09/2018 – 18/12/2018 – Joensuu, Finland
INTERN – UNIVERSITY OF EASTERN FINLAND

- Coherence measurement using wavefront folding interferometer

05/02/2018 – 30/03/2018 – Arkhangelsk, Russia
INTERN – INTEL CORPORATION

- Studying the development of multimedia applications using OpenCV + OpenCV DNN libraries
- Designed in a team the face detection system using a library of computer vision algorithms OpenCV and Python

● LANGUAGE SKILLS

Mother tongue(s): UZBEK

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
RUSSIAN	C2	C2	C2	C2	C1
ENGLISH	C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS

Microsoft office(WordExcel Powerpoint Outlook) | PYTHON | Visual Studio / Visual Studio Code | Zemax
 OpticStudio | MATLAB&Simulink | labVIEW | ImageJ Fiji | freeCAD | Visual studio C#

● CONFERENCES AND SEMINARS

01/05/2019 – Ural Federal University, Yekaterinburg, Russia
Physics. Technologies. Innovation PTI -2019

a poster on “Development of a universal experimental stand for determining the spectrophotometric characteristics of substances “

<https://fizteh.urfu.ru/ru/conference/>

01/04/2019 – Northern Arctic Federal University, Arkhangelsk, Russia
Modern youth researches of physics of dispersed media in the Arctic region

- a paper on “Development of a universal experimental stand for determining the spectrophotometric characteristics of substances “

01/05/2018 – Ural Federal University, Yekaterinburg, Russia

Physics. Technologies. Innovation PTI -2018

- a poster on “Study of the emission spectrum and absorption of various substances “

01/04/2018 – Northern Arctic Federal University, Arkhangelsk, Russia

Modern youth researches of physics of dispersed media in the Arctic region

- a paper on “Designing a USB spectrometer to study the absorption spectrum of ice and aqueous solutions “

01/05/2017 – Ural Federal University, Yekaterinburg, Russia

Physics. Technologies. Innovation PTI -2017

- a poster on “Study of influence of 2.4 GHz electromagnetic waves on electro physical properties of coniferous trees “

01/03/2017 – Northern Arctic Federal University, Arkhangelsk, Russia

Russian Conference for the Development of Student Science and Scientific Communities

- a paper on “Designing a facial recognition system using a library of computer vision algorithms OpenCV and Python “

● PUBLICATIONS

Development of the USB-spectrophotometer for studying the spectra of light absorption by substance

<https://doi.org/10.1063/1.5055075> – 2018

Designing a face recognition system

<https://narfu.ru/upload/medialibrary/5f9/SBORNIK-2018.pdf> – 2018

- Designed in a team the face detection system using a library of computer vision algorithms OpenCV and Python

Amplitude and energy dependences of the oscillation period of a relativistic harmonic oscillator

<https://moluch.ru/archive/144/40405/> – 2017

Study of influence of 2.4 GHz electromagnetic waves on electrophysical properties of coniferous trees wood,

<https://doi.org/10.1063/1.5002945> – 2017