



Volodymyr Hnatushenko

Date of birth: 26/01/1975 | **Phone number:** (+380) 505919350 (Mobile) |

Email address: vgnat@ukr.net | **Website:**

https://it.nmu.org.ua/en/HR_staff/prepods/Hnatushenko.php |

Address: av. Dmytra Yavornytskoho, 19, 49005, Dnipro, Ukraine (Work)

WORK EXPERIENCE

01/2003 – 09/2003 Dnipro, Ukraine

SENIOR LECTURER DEPARTMENT FOR FOREIGN STUDENTS OF DNIPROPETROVSK NATIONAL UNIVERSITY

- information technology

09/2003 – 09/2009 Dnipro, Ukraine

ASSOCIATE PROFESSOR DEPARTMENT OF ELECTRONIC TELECOMMUNICATIONS OF DNIPROPETROVSK NATIONAL UNIVERSITY

09/2009 – 09/2012 Dnipro, Ukraine

PROFESSOR DEPARTMENT OF ELECTRONIC TELECOMMUNICATIONS OF DNIPROPETROVSK NATIONAL UNIVERSITY

2011 Kyiv, Ukraine

GRANT OF THE PRESIDENT OF UKRAINE GRANTS OF THE PRESIDENT OF UKRAINE TO DOCTORS OF SCIENCES FOR SCIENTIFIC RESEARCH

2013 – 2019 Dnipro, Ukraine

HEAD R&D EOS DATA ANALYTICS

- neural network processing and recognition of multispectral images
- mathematical and computer modeling of processes and systems

09/2012 – 06/2019 Dnipro, Ukraine

UNIVERSITY DEPARTMENT HEAD, PROFESSOR COMPUTER SCIENCE AND INFORMATION TECHNOLOGIES OF OLES HONCHAR DNIPRO NATIONAL UNIVERSITY

07/2019 – 01/2020 Dnipro, Ukraine

PROFESSOR DEPARTMENT OF GEOINFORMATION SYSTEMS OF THE DNIPRO UNIVERSITY OF TECHNOLOGY

2019 – 2021 Kyiv, Ukraine

SCIENTIFIC ADVISER OF R&D PROJECT "ALGORITHMIC AND SOFTWARE SOLUTIONS OF INFORMATION TECHNOLOGIES" MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

2019 – CURRENT Kyiv, Ukraine

EXPERT NATIONAL AGENCY FOR HIGHER EDUCATION QUALITY ASSURANCE

2021 – 2024 Kyiv, Ukraine

SCIENTIFIC ADVISER OF R&D PROJECT "MODELS AND INFORMATION TECHNOLOGIES FOR PROCESSING AND ANALYZING DATA IN COMPLEX COMPUTER SYSTEMS AND NETWORKS" MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

02/2020 – CURRENT Dnipro, Ukraine

UNIVERSITY DEPARTMENT HEAD, PROFESSOR INFORMATION TECHNOLOGY AND COMPUTER ENGINEERING OF THE DNIPRO UNIVERSITY OF TECHNOLOGY

2023 – CURRENT

PROJECT “PROVIDING OF ACADEMIC FREEDOM AND INCLUSION THROUGH DIGITALIZATION”
AFID – EU ERASMUS+ PROGRAM

● **EDUCATION AND TRAINING**

01/09/1990 – 29/03/1994 Dnipro, Ukraine

JUNIOR SPECIALIST Dnipropetrovsk College of Automation and Telemechanics (now the University of Customs and Finance)

01/09/1994 – 06/1999 Dnipro, Ukraine

MASTER’S DEGREE Dnipropetrovsk State University (now Oles Honchar Dnipro National University)

01/11/1999 – 31/10/2002 Dnipro, Ukraine

PH.D. IN COMPUTER SCIENCE AND INFORMATION TECHNOLOGY Oles Honchar Dnipro National University

2009 Kyiv, Ukraine

DOCTOR OF TECHNICAL SCIENCES (DR.-ING. HABIL.) IN COMPUTER SCIENCE AND INFORMATION TECHNOLOGY Kyiv National University of Construction and Architecture

16/07/2020 – 17/07/2020

INTENSIVE TRAINING COURSE "TECH SUMMER FOR TEACHERS" Softserve

27/12/2021 – 07/02/2022 Krakow, Poland

INTERNATIONAL INTERNSHIP IN THE COMPUTER SCIENCE PROGRAM University of Science and Technology in Krakow, Wroclaw University of Science and Technology

29/07/2022 – 05/08/2022 Krakow, Poland

CYBER SECURITY AND ARTIFICIAL INTELLIGENCE Politechnika Krakowska im. Tadeusza Kościuszki, National Technical University of Poland

● **LANGUAGE SKILLS**

Mother tongue(s): **UKRAINIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B1	B2	B2	B2	B2

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

● **DIGITAL SKILLS**

GIS Softwares such as ArcGIS, QGIS, Swat extension, ArcHydro.....others | Cisco packet tracer | Microsoft Office

● HONOURS AND AWARDS

2005

Holder of a fellowship of the Cabinet of Ministers for young scientists from 2005 to 2007 – Cabinet of Ministers of Ukraine

2010

Holder of a fellowship of the Verkhovna Rada of Ukraine "for the most talented young scientists"

● NETWORKS AND MEMBERSHIPS

2016 – CURRENT IEEE

Senior Member IEEE

2020 – CURRENT INDEPENDENT AGENCY FOR ACCREDITATION AND RATING, Republic of Kazakhstan

Expert

2014 – CURRENT Ministry of Education and Science of Ukraine, Kyiv

Member of the expert council of the Department for Attestation of Highly Qualified Personnel and Licensing

● PUBLICATIONS

2021

[**Intelligent System for Building Separation on a Semantically Segmented Map**](#)

Write here the description...

Hnatushenko V. , Zhernovyi V., Udovik I., Shevtsova O. IT & Systems of Information Security

2023

[**Application of two-dimensional Padé-type approximations for image processing**](#)

Olevskiy V.I., Hnatushenko V.V. Radio Electronics, Computer Science, Control., 2023, № 1, P.99-106.

2023

[**Automated building damage detection on digital imagery using machine learning**](#)

Naukovyi Visnyk Natsionalnoho Hirnychoho Universytetu, 2023, № 6. P.134-140

2019

[**Complex Approach of High-Resolution Multispectral Data Engineering for Deep Neural Network Processing**](#)

Hnatushenko V., Zhernovyi V. Computational Intelligence and Decision Making, 659–672

[**Machine learning for automatic extraction of water bodies using Sentinel-2 imagery**](#)

Kashtan V., Hnatushenko V. Radio Electronics, Computer Science, Control., 2024, № 1, P.118-127.

2023

[**IMPROVEMENT OF THE ALGORITHM FOR SETTING THE CHARACTERISTICS OF INTERPOLATION MONOTONE CURVE**](#)

Informatyka, Automatyka, Pomiary W Gospodarce I Ochronie Środowiska, 13(4), 44–50

2024

[**Enhancing the quality of CNN-based burnt area detection in satellite imagery through data augmentation**](#)

Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XLVIII-1/W2-2023, 1749–1755

2022

Decentralized Information System for Supply Chain Management Using Blockchain

International Workshop on Intelligent Information Technologies and Systems of Information Security

2020

On Satellite Image Segmentation via Piecewise Constant Approximation of Selective Smoothed Target Mapping

Applied Mathematics and Computation, Vol.389, 2020, Id 125615, 26p.

2018

Accuracy evaluation of automated object recognition using multispectral aerial images and neural network

Proc. SPIE 10806, Tenth International Conference on Digital Image Processing

2003

The use of geometrical methods in multispectral image processing

Gnatushenko V. Journal of Automation and Information Sciences, Volume 35 (12), 1-8

2024

The use of generative artificial intelligence in software testing

System technologies. 2(151), 2024. P. 113-123

2024

Decision-Making Methods and Models for Intelligent Business Analytics Systems in Online Tourism

International Conference on Computational Linguistics and Intelligent Systems