

Curriculum Vitae



Yaroslav Vykylyuk

Full Professor, Dr.Sc. (computer science)
Prize-winner of the President of Ukraine award for young scientists in 2017

28.04.1977

Vice-rector on science and international relations
PHEI "Bukovinian university"

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Education

- 2013 **Professor**
PHEI "Bukovinian university"
 - 2011 **Doctor of Science (Computer Science – mathematical modeling and calculation methods)**
National University "L'viv Polytechnic"
Dissertation: *Development of mathematical simulation methods and tools for tourist industry objects*
 - 2007 **Associate Professor**
Chernivtsi Trade and Economics Institute
 - 2004 - 2005 **Bachelor of Economics**
Chernivtsi Trade and Economics Institute
 - 1999 - 2002 **PhD, Candidate of Science (Physics & Mathematics)**
Chernivtsi National University
Dissertation: *Band structure, chemical bond and optical properties of $Ga_xIn_{1-x}P$, $InAs_xSb_{1-x}$, $InSb_{1-x}Bi_x$ semiconductor solid solutions*
 - 1998 - 1999 **Master, theoretical physics**
Chernivtsi National University
 - 1994 - 1998 **Bachelor, theoretical physics**
Chernivtsi National University
 - 1992 - 1994 Chernivtsi State Physics and Mathematics lyceum
 - 1984 - 1992 Secondary schools
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Job

2020	- present	Professor Yuriy Fedkovych Chernivtsi National University
2018	- present	Distinguished Professor Institute of Laser and Optoelectronics Intelligent Manufacturing of Wenzhou University, China
2017	- present	Professor Lviv Polytechnic National University
2016	- present	Visiting professor European Politechnic Institute, Kunovice, Czech Republic
2010	- present	Professor PHEI "Bukovinian university"
2010	- present	Vice rector on science and international relations PHEI "Bukovinian university"
2019	- 2020	Professor Kujawy And Pomorze University in Bydgoszcz, Poland
2019	- 2020	Professor Uzhhorod National University
2019	- 2020	Professor University of the State Fiscal Service of Ukraine
2019	- 2020	Professor School of Social Sciences & Languages (SSL) VIT University, Vellore, Tamil Nadu, India
2019		Visiting professor (under Erasmus+ mobility of staff program) School of Economics and Management in Public Administration in Bratislava, Slovakia
2019		Visiting professor (under Erasmus+ mobility of staff program) Vasile Goldiș Western University of Arad, Romania
2018		Visiting professor (under Erasmus+ mobility of staff program) Ștefan cel Mare University of Suceava, Romania
2017		Visiting professor (under Erasmus+ mobility of staff program) Vasile Goldiș Western University of Arad, Romania
2016	- 2017	Professor Ternopil Ivan Puluj National Technical University
2016		Visiting professor (under Erasmus+ mobility of staff program) Vasile Goldiș Western University of Arad, Romania
2016		Visiting professor (under Erasmus+ mobility of staff program) School of Economics and Management in Public Administration in Bratislava, Slovakia
2013	- 2014	Perform duties of Rector PHEI "Bukovinian university"
2012	- 2014	Dean of Computer System and Technology department PHEI "Bukovinian university"

2013	Visiting professor Ural Federal University, Russia
2013	Visiting professor Sankt Petersburg branch of the Finance University under the Government of the Russian Federation
2013	Visiting professor Maykop State Technological University, Russia
2007 - 2010	Post Doctoral researcher National University "L'viv Polytechnic"
2002 - 2007	Associate Professor Chernivtsi Trade and Economics Institute
1999	Head of the Programming Department LTD Elektronmash, Chernivtsi
1996 - 1999	Programmer Engineer LTD Elektronmash, Chernivtsi
1994 - 1996	PC Operator LTD Elektronmash, Chernivtsi

Internships

2016	Salzburg University, Austria
2013	Sankt Petersburg branch of the Finance University under the Government of the Russian Federation

Research Interests

Data Science, Applied System Analysis, Mathematical Modeling and Decision Making of Complex Dynamic Systems (socio-economic, geographical, tourist and crisis systems) using by Artificial Intelligence Technology, DataMining, Big Data, Parallel Calculations, Statistics, Econometrics, Econophysics and other Advanced Mathematical Methods with implementation into information, WEB and geographic information systems

Experience

- Published more than **210** scientific papers
- Published **10** monographs and books
- Organized **six** International conferences ITEL (Information Technologies, Economics and Law) (300-400 participants)
- Concluded **15** agreements on cooperation between foreign universities
- Organized the **seven** exchange of students under Erasmus+ program from Slovakia, Romania, Serbia and Russia Universities.
- Managed of websites creation: scientific journal, international conference, university and its departments
- Managed of creation IT systems: international conference, international student competitions.

Member of Scientific Councils

- Academic Council on protection DrSc and PhD thesis D 047.104.09, National University of Water and Nature Management, Rivne
- European Politechnic Institute, Kunovice, Czech Republic
- Academic Council on protection DrSc and PhD thesis D 35.052.05 National University "L'viv Polytechnic"

Scientific membership

- Collection of Scientific Articles. Economic Science. ISSN 2219-5378 (Chief Editor)

- Crisis Management (Slovakia)
 - MEST Journal, ISSN 2334-7058
 - Journal of the Geographical Institute "Jovan Cvijik" SASA. (Serbia) ISSN 0350-7599
 - Public Administration and Regional Development (Slovakia), ISSN 1337-2955
 - Cywilizacja Techniczna (Poland)
 - Member of the board of Ukrainian Scientific and Educational IT Society
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Protected PhD students

- 01.03.2019 Husak O.M., **PhD**
Dissertation: *Information technology for early detection of forest fires using unmanned aerial vehicles*
05.13.06 - Information technologies
- 01.03.2013 Hats B.M., **PhD**
Dissertation: *Information system of forecasting infrastructure development in tourism infrastructure*
05.13.06 - Information technologies
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Teaching

- Systems and methods of decision making
 - Neural networks
 - Fuzzy Logic
 - Data Mining
 - Databases and knowledge base
 - Fractals
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Skills

Programming languages

ASP.NET MVC, C#/++, Matlab & Simulink, Python (TensorFlow, SciKit-Learn, Pandas, Django, etc), Visual Basic

Software

Adobe Photoshop, Deductor, Final Cut Pro, Mac OS, Microsoft Office, Microsoft Project, Microsoft Visual Studio, Microsoft Windows, Pinnacle Studio

The mathematical apparatus

Big Data, Cellular automata, Data Mining, Data Science, Econometrics, Ekonophysics, Fractal analysis, Fuzzy logic, Genetic algorithms, Molecular dynamics, Neural networks, Optimization methods, Parellel calculations, Simulation, Statistics

Languages

Ukraine, English, Russian

Hobby

Art gymnastic, Kayaking, Extreme

21.10.2020



Yaroslav Vykylyuk