

OLEG PURSKY
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**Doctor of science in physics and mathematics,
Head of Department of Computer Science and Information Systems**



Profile of the scientist in international bases:
[Scopus](#), [Web of Science](#), [ResearcherID](#), [Google Scholar](#), [ORCID](#)

RESEARCH EXPERTISE: covers problems of management processes modeling of socio-economic systems; development of information systems of business processes management for trade enterprises; investigation of the functioning mechanisms of the electronic trade market; development of information systems of remote functional diagnostics; development of methods, models and information technologies of socio-economic systems monitoring. Investigations of the heat transfer processes in molecular crystals and liquids. The cryogenics vacuum equipment designing (the cryogenic vacuum technics and technics of high pressures for thermal conductivity measurements).

COURSES: “Designing information management systems;”, “Theory and practice of scientific research”, “Information systems and technologies in economy”, “Information systems and technologies”, “Applied system analysis”, “Office computer technologies”, “Machine learning”.

ACADEMIC DEGREES:

- Doctor of science in Physics and Mathematics, Taras Shevchenko National University of Kyiv, Kyiv, Ukraine., 2010;
- Candidate of science (PhD) in Physics and Mathematics, Institute for Low Temperature Physics and Engineering NASU, Kharkov, Ukraine , 2001;
- MS, Dnipro National University, Dnipro, Ukraine, 1993.

ACADEMIC TITLES:

- Professor, 2013;
- Associate Professor, 2005.

ACADEMIC APPOINTMENTS:

- Associate Professor, Department of Mathematics and Computer science, (Lecturer of Computer science and Mathematics), Technological State University of Cherkassy, Cherkassy, Ukraine, 1993-2005;
- Postdoctoral study, Department of Molecular Physics, Taras Shevchenko National University of Kyiv, Kyiv, Ukraine, 2006-2010;
- Professor, Head of Department of Information Systems and Biocybernetics, Cherkassy National University, Cherkassy, Ukraine, 2010-2011;
- Full Professor, Department of Cybernetics and System Analysis, Kyiv National University of Trade and Economics, Kyiv, Ukraine, 2011 – present.

SCIENTIFIC PROJECTS:

- “Modeling the mechanisms of international e-commerce operation” (Project leader). This study was supported by the Ukrainian Ministry of Education and Science, Project No. 0117U000507, 2017-2019;
- “Interaction modeling at e-trading markets” (Project leader). Project No. 0116U00422, 2016-2018;
- “Modeling the organizational and economic mechanism of management of trade enterprises and services” (Participant of project). This study was supported by the Ukrainian Ministry of Education and Science, Project No. 0114U00324, 2014-2016;

- “Development and implementation of modern information systems and technologies in the socio-economic activity”. (Project leader). Project No. 0112U000635, 2012-2014;
- “Metastable states of simple condensed systems” (Participant of project). This study was supported by the NAS Ukraine.). Project No. 10-2012, 2012-2014;
- “Molecular solids and nanoframes at low temperatures”, (Participant of project). This study was supported by the Ukrainian Ministry of Education and Science, Project No. 0107U000941, 2007-2009;
- “The effect of radiation-induced structural properties of saline solutions on the functioning of the new generation reactors”, (Participant of project). Project No. 07DF051-01 K-8-375, 2007-2009;
- “Low-temperature dynamics of simple molecular solids”, (Participant of project). This study was supported by the Ukrainian Ministry of Education and Science, Project No. 0104U003038, 2004-2006
- “Investigation of diffusion changes in the structure and physical properties of amorphous and polycrystalline solids”, (Participant of project). This study was supported by the Ukrainian Ministry of Education and Science, Project No.111-97, 1997-1999;
- “Investigation of the structure and physical properties of thin amorphous and polycrystalline layers depending on the technological conditions of their obtaining”, (Participant of project). This study was supported by the Ukrainian Ministry of Education and Science, Project No.141-94, 1994-1996.

EXPERIENCE: Developer of information-analytical Web-system for indicators monitoring of socio-economic development of Ukraine regions. Developer of an integrated Web-system for e-trade business processes managing. The experimental set-up for measuring of isobaric thermal conductivity of molecular crystals by a linear-flow method have been designed and constructed. A new installation for experimental measuring of the thermal conductivity of molecular liquids at pressure by a coaxial-geometry steady-state method have been designed and constructed. Experimental measurement of thermal conductivity of molecular crystals and liquids. Theoretical researches of heat transfer in molecular crystals. Computer simulation of thermal conductivity in molecular crystals and liquids. Programs: Pascal, MikTeX 2.9, Python 3.6, MS Office, MySQL DBMS.

LIST OF PUBLICATIONS:

<https://knute.edu.ua/file/MTI1Nzk=/c57817a57a4ef8f61fd91b3b77504b05.pdf>

ADDITIONAL ACTIVITIES:

- Member of Scientific Council of Ukrainian Ministry of Education and Science on the specialty "Informatics and Cybernetics";
- Reviewer of scientific journals: "International Journal of Modern Physics (B)" ISSN (print): 0217-9792 | ISSN (online): 1793-6578 and "Heat Transfer" ISSN:0022-1481, eISSN:1528-8943, CODEN:JHTRAO, 2010-2019;
- Member of Editorial Board of ““International Journal of Economic Theory and Application”” ISSN: 2375-298X (Online), 2015-2018;
- Member of dissertations board K 73.736.01 on confirmation of higher degree of PhD in technical sciences, 2015-2018;
- Certified Data Science&Machine Learning Specialist (certificate number 6062 2445, 2018).

HOBBY: travel, football game, fishing.