ΦΟΡΕΑΣ ΔΙΑΣΦΑΛΙΣΗΣ ΚΑΙ ΠΙΣΤΟΠΟΙΗΣΗΣ ΤΗΣ ΠΟΙΟΤΗΤΑΣ ΤΗΣ ΑΝΩΤΕΡΗΣ ΕΚΠΑΙΔΕΥΣΗΣ

ΔΙΠΑΕ CYQAA

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Academic Personnel Short Profile / Short CV

University:	Neapolis University Pafos
Surname:	Avdiushenko
Name:	Alexander
Rank/Position:	Visiting Lecturer
Faculty:	SCHOOLS OF ECONOMICS, BUSINESS AND COMPUTER SCIENCE
Department:	COMPUTER SCIENCE
Scientific Domain: *	Machine Learning, Data Science, Artificial Intelligence

* Field of Specialization

Academic qualifications (list by highest qualification)				
Qualification	**Year**	**Awarding Institution**	**Department**	**Thesis title (Optional Entry)**
PhD in math modelling	2014	Institute of Computational Technologies, Siberian Branch of the Russian Academy of Sciences	Math modelling	New numerical models of turbomachine hydrodynamics
Master	2009	Novosibirsk State University	Math	Modification of the method for calculating unsteady turbulent flows with flow separations

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent				
Period of employment		Employer	Location	Position
From	To			
2023	present	JetBrains	Paphos, Cyprus	Lecturer, Researcher
2022	2023	Yandex	Saint-Petersburg, Russia	Head of Machine Learning Programs
2019	2023	Saint Petersburg State University	Saint-Petersburg, Russia	Associate Professor and head of the educational program in «Data Science»

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2022	Personnel For The Digital Economy: On The Specifics Of Remote Teaching Of University Teachers.	Gavrillova T.A., Krotov K.V., Rucheva A.S.	SPbU, Saint Petersburg, Russia	-	328-333
2	2016	Simulating fully 3D non-planar evolution of hydraulic fractures	Cherny S., Lapin V., Esipov D., Kuranakov D., Lyutov A.	International Journal of Fracture (Springer)	201	181-211
3	2013	Method for calculating axial and radial loads on the impeller of a hydraulic turbine in a non-stationary flow	Cherny S.G., Chirkov D.V.	Journal of Computational Technologies (in Russian)	18	3-25
4	2013	Numerical simulation of transient processes in hydraulic turbines	Cherny S.G., Chirkov D.V., Skorospelov V.A., Turuk P.A.	Thermophysics and Aeromechanics	20	587-604
5	2013	Computational study of radial forces acting on the rotor of a radial-axial hydraulic turbine	Babachenko, Y.V.	News of the Samara Scientific Center of the Russian Academy of Sciences (in Russian)	15	547-552

Exhibitions (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)					
Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1	Sep 12, 2025	Trust-by-Design for AI Developer Tools	International	Paphos	Speaker
2	May 16, 2025	Panel: Opportunities for Gen Z in Tech & Investment	International	Limassol	Panel participant
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*Specify venue, geographic location etc

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	**Date**	**Title**	**Funded by**	**Project Role***
1				
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Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other

Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees. List the five (5) more recent (Optional Entry)				
Ref. Number	Period	Organization	Title of Position or Service	Key Activities
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Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)			
Ref. Number	Date	Title	Awarded by:
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Other Achievements. List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)			
Ref. Number	**Date**	**Title**	**Key Activities:**
1	2025	One of main author of Coursera course: https://www.coursera.org/learn/ai-assisted-programming	A very modern and popular topic.
2	2024	Online self-paced Machine Learning course	Main author of free online course: https://avalur.github.io/mlcourse/index.html
3	2023	PyCharm IDE online practice "Gateway to Pandas"	Main author of free IDE online course: https://plugins.jetbrains.com/plugin/22686-gateway-to-pandas About 3000 downloads by fall 2025.
4	2020-2022	Co-director and teacher of the three "January Scientific Schools of Mathematics and Programming" in Sirius, Russia	About 300 talented students participated.
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