First Winter School in Data Science in National University "Zaporizhzhia Polytechnic"

02.12.2019 – 06.12.2019

The International Winter School is organised within the international project funded by DAAD "Virtual Master Cooperation on Data Science" " with grantholder Dortmund University of Applied Sciences and Arts (Germany).

The project "Virtual Master Cooperation Data Science (ViMaCs)" aims to build a virtual learning and lab infrastructure for a digital teaching and module portfolio in the field of "Data Science".

International Winter School addresses Master Students from Dortmund University of Applied Sciences and Arts, National University "Zaporizhzhia Polytechnic", Ternopil National Economic University, Kyiv National University of Civil Engineering and Construction.

Seminars and workshops will be taught in English.

The Winter School is free of fees.

After submission the final report participants will receive the certificate for 2 ECTS.

Registration https://forms.gle/SVBiBhk5Muk8KbgR6

Preliminary program of the Winter School

Location room 57 building 3 NU "Zaporizhzhia Polytechnic"

	Monday, 2nd December	
9:00-9:55	Registration of the participants	Galyna Tabunshchyk
10:05-12:00	Using virtual instruments in IoT	Osolinskyi Oleksandr
12:00-13:00	DataKernel: Anatomy and development of high-end java framework	Mykola Khohlov
13:00-14:00	Lunch	
14:05 - 16:25	Python for Machine Learning	Galyna Tabunshchyk
	Tuesday, 3nd December	
09:00-9:55	Welcoming participants of the Winter school, visiting university museum	Prof. S. Byelikov, Prof. S. Subbotin
10:05-11:00	Data processing performance optimization using Pandas	Roman Kotov
12:00-13:00	Lunch	
13:00-14:55	Team work	
15:05 - 16:25	Team work	
	Wednesday, 4d December	
8:30-9:55	Multi-Model Machine Learning	Dr. Lynn Houthuys
10:05-12:00	Data Modelling and processing infrastructure for capacity planning in multi-variant production systems	Daniel Fruhner
12:00-13:00	Lunch	

13:00-14:55	Team Work	
15:05 - 16:25	Team Work	
	Thursday, 5th December	
8:30-9:55	Data Modelling and processing infrastructure for capacity planning in multi-variant production systems	Daniel Fruhner
10:05-12:00	Decision Making in managing project" (Business game)	Olena Verenych
12:00-13:00	Lunch	
13:00-14:55	Industry Visit to Infocom LTD https://ia.ua/en/	All
15:05 - 16:25		
	Friday, 6h December	
8:30-9:55	Multi-model ML for Data-Driven Diagnosis	Sergey Subbotin
10:05-12:00	Students project presentations	All
12:00-13:00	Lunch	
13:00-14:55	Closing of the winter school	Prof. S. Subbotin, ZNTU
15:05 - 16:25		