



ViMaCs

Virtual Master Cooperation
Data Science

ONLINE WINTER SCHOOL 2020

Winter School Timetable

Please join the Zoom meeting at least 5 minutes before the start of your session.
All the lectures will take place in **CET** time (German time).

Time	Monday, 07 December	Lecturer
09:00 - 09:30	Kick Off and Some Organisational Questions	
09:30 - 11:00	Lecture "Concept of Data Acquisition and Processing"	Anatoliy Sachenko & Mykhailo Dombrovskiy
11:00 - 12:00	Lecture "Virtual Instruments for IoT"	Oleksandr Osolinskyi
12:00 - 13:00	Lunch	
13:00 - 14:30	Lecture "Computational Intelligence for Technical and Medical Diagnosis"	Sergey Subbotin
14:30 - 16:00	Lecture "Overview of the Hadoop Ecosystem"	Natalia Myronova
Time	Tuesday, 08 December	Lecturer
09:00 - 10:30	Lecture "The Data Hashing Transformations for Dimensionality Reduction in Diagnostic and Recognition Problems"	Sergey Subbotin
10:30 - 12:00	Lecture "Identifying and Analysing Alternatives, Choosing the Best Option" & "Requirements Life Cycle Management"	Olena Sharovara
12:00 - 13:00	Lunch	
13:00 - 14:30	Workshop "Python for Data Analytics. Python Basics"	Galyna Tabunshchik
14:30 - 16:00	Workshop "Python for Data Analytics"	Galyna Tabunshchik
Time	Wednesday, 09 December	Lecturer
09:00 - 10:30	Workshop "Hadoop Distributed File System and MapReduce"	Natalia Myronova
10:30 - 12:00	Workshop "Hadoop Streaming"	Natalia Myronova
12:00 - 13:00	Lunch	
13:00 - 14:30	Lecture "Big Data Acquisition: SCADA Systems Approach"	Anatoliy Sachenko & Mykhailo Dombrovskiy
14:30 - 16:00	Workshop "Python for Data Analytics. Web-oriented applications"	Galyna Tabunshchik

Time	Thursday, 10 December	Lecturer
09:00 - 10:30	Lecture "Solution Evaluation"	Sergey Bushuyev
10:30 - 12:00	Lecture "Data Visualization"	Natalia Yehorchenkova
12:00 - 13:00	Lunch	
13:00 - 16:00	Workshop "Introduction to Apache Spark"	Natalia Myronova
Time	Friday, 11 December	Lecturer
09:00 - 10:30	Practice "Working with Open Data"	Pavlo Bykovyy
10:30 - 12:00	Practice "Some Methods for Decision Making"	Olena Verenych
12:00 - 13:00	Lunch	
13:00 - 14:30	Practice "Some Methods for Decision Making"	Olena Verenych
14:30 - 16:00	Workshop "Virtual Instruments for Simple SCADA System Design in IoT Environment". Closing	Oleksandr Osolinskyi

You can access the Winter School via this link:

<https://zoom.us/j/99389620942?pwd=U1Z0ZERqYVpEbHZDK2FjOVFtYVVCZz09>

In case of any issues, drop the email to: anna.badasian@fh-dortmund.de and jorge.maldonadocarranza@fh-dortmund.de