## **Institute of Geonics, Czech Academy of Sciences**

Department of applied mathematics and computer science & IT4Innovations Studentská 1768, Ostrava-Poruba



## INVITATION TO THE LECTURE

NOVEMBER 30, 2022

10:30

**CONFERENCE ROOM** 

## INTRODUCTION TO MACHINE LEARNING

## Tetiana Pichka

Institute of Geonics of the Czech Academy of Sciences, Ostrava

Machine learning (ML) enables computers to "self-learn" from training data and improves over time. ML algorithms are able to detect patterns in data and learn from them, in order to make their own predictions. To understand how ML works, we would explore different ML methods algorithms, which are basically sets of rules that machines use to make decisions. Review basic concepts of ML.