



Fyzikální ústav Akademie
věd České republiky
Institute of Physics of the
Czech Academy of Sciences

CELOÚSTAVNÍ SEMINÁŘ FZU COLLOQUIUM

3. 11. 2021 | 15:00

Main lecture hall & online using Webmeeting FZU

Na Slovance 1999/2, Praha 8

Webmeeting link: <https://webmeeting.fzu.cz/b/cer-hvv-vax>

Martin Víta

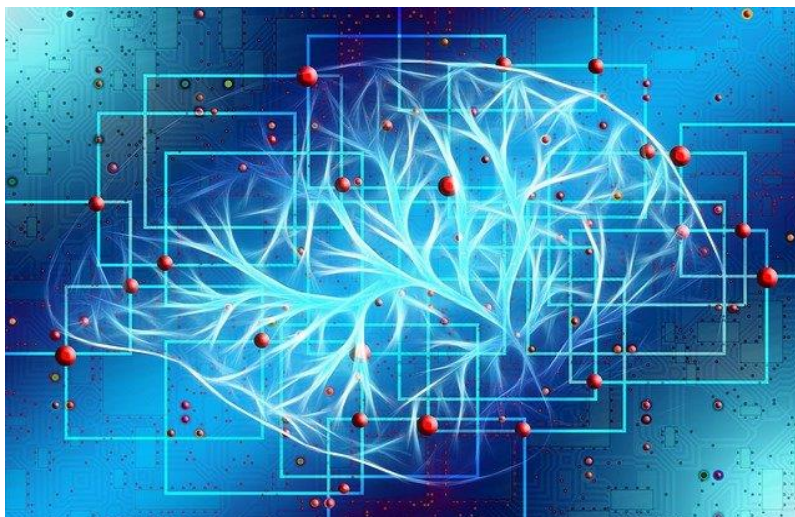
Institute of Physics of the Czech Academy of Sciences and Prague University of Economics and
Business

BRIEF INTRODUCTION TO DEEP LEARNING **BASIC NOTIONS, BASIC PRINCIPLES, USE CASES & EXAMPLES**

Nowadays, deep learning (as a part of machine learning) is one of the most prominent topics in computer science with dozens of applications in many areas including image processing, natural language understanding, time series forecasting, etc. In this talk, we are going to revisit the basic principles of machine learning with the focus on deep learning approaches accompanied by appealing real-world examples arising from science, medicine and industrial applications. Selected simple deep learning architectures will be presented along with the “source code equivalents”.

This seminar talk can be considered as “an overture” to a newly established Artificial intelligence (AI) club (series of deep learning workshops).

No preliminary knowledge of machine learning is required, familiarity with elementary linear algebra is an advantage.



Seminář proběhne v angličtině. Hlavním organizátorem je Fyzikální ústav Akademie věd ČR.
The colloquium will be held in English. Organised by FZU – Institute of Physics of the Czech Academy of Sciences.