VSITE Workshop „Deep Learning - Basic Tool in Artificial Intelligence “ 10.5 |11.5. 2022.

Day 1. Tuesday, 10th May 2022	Lokacija / Location	Link
Morning session, 9 – 12 AM, Prof. Vojisav Kecman, Ph.D., M. Sc., Dipl.-Ing. • Basics of Machine Learning • Supervised vs Unsupervised Learning • Feed-Forward Neural Networks • Error Back Propagation • Bias and Variance in Neural Networks	Predavaonica 2 Classroom 2	https://teams.microsoft.com/l/meetup-join/19%3a65b058715d624d7d9684bef8ce5327a9%40thread.tacv2/1652091842172?context=%7b%22Tid%22%3a%2263d64bb3-ee45-430b-acc9-c4e4f59147ac%22%2c%22Oid%22%3a%2268efdd12-53ec-48f3-bdc1-f233e8e01d67%22%7d
Day 1. Tuesday, 10th May 2022		
Afternoon session, 3 – 6 PM, Prof. Tomasz Arodz,Ph.D. • Automated Differentiation (AD) • PyTorch example of Automated Differentiation • Problems in training Deep Networks and how to overcome them. • Convolutional Neural Networks (CNNs) • Residual Networks (ResNets) • Self-attention-based Networks (Transformers)	Predavaonica 4 Classroom 4	https://teams.microsoft.com/l/meetup-join/19%3a65b058715d624d7d9684bef8ce5327a9%40thread.tacv2/1652092052775?context=%7b%22Tid%22%3a%2263d64bb3-ee45-430b-acc9-c4e4f59147ac%22%2c%22Oid%22%3a%2268efdd12-53ec-48f3-bdc1-f233e8e01d67%22%7d
Day 2. Wednesday, 11th May 2022		
Morning session, 9 – 12 AM • Individual Exercise Session based on materials provided by Prof. Arodz	Predavaonica 2 Classroom 2	https://teams.microsoft.com/l/meetup-join/19%3a65b058715d624d7d9684bef8ce5327a9%40thread.tacv2/1652092207782?context=%7b%22Tid%22%3a%2263d64bb3-ee45-430b-acc9-c4e4f59147ac%22%2c%22Oid%22%3a%2268efdd12-53ec-48f3-bdc1-f233e8e01d67%22%7d
Day 2. Wednesday, 11th May 2022		
Afternoon session, 3 – 6 PM, Prof. Tomasz Arodz, Ph.D. • Building deep networks from modules in PyTorch • PyTorch example of Convolutional Deep Network for image recognition • PyTorch example of an Attention-based Deep Network for language tasks • TensorFlow as an alternative to PyTorch	Predavaonica 5 Classroom 5	https://teams.microsoft.com/l/meetup-join/19%3a65b058715d624d7d9684bef8ce5327a9%40thread.tacv2/1652092311377?context=%7b%22Tid%22%3a%2263d64bb3-ee45-430b-acc9-c4e4f59147ac%22%2c%22Oid%22%3a%2268efdd12-53ec-48f3-bdc1-f233e8e01d67%22%7d

Contact: workshop@vsite.hr