DeepLearn 2022 Spring
5th INTERNATIONAL SCHOOL ON DEEP LEARNING
Guimarães, Portugal · April 18-22, 2022

Keynotes

Kate Smith-Miles
University of Melbourne
Stress-testing Algorithms via Instance Space Analysis

Mihai Surdeanu
University of Arizona
Explainable Deep Learning for Natural Language Processing

Zhongming Zhao
University of Texas, Houston
Deep Learning Approaches for Predicting Virus-Host Interactions and Drug Response [*virtual*]

Courses

Eneko Agirre
University of the Basque Country
[introductory/intermediate] Natural Language Processing in the Pretrained Language Model Era

Altan Çakır
Istanbul Technical University
[introductory] Introduction to Deep Learning with Apache Spark

Rylan Conway
Amazon
[introductory/intermediate] Deep Learning for Digital Assistants

Jianfeng Gao
Microsoft Research
[introductory/intermediate] Neural Approaches to Conversational Information Retrieval

Bohyung Han
Seoul National University
[introductory/intermediate] Robust Deep Learning

Lina J. Karam
Lebanese American University
[introductory/intermediate] Deep Learning for Quality Robust Visual Recognition

Kyle Keane
Massachusetts Institute of Technology
[introductory] An Introductory Course on Machine Learning and Deep Learning with Mathematica/Wolfram Language

Xiaoming Liu
Michigan State University
[intermediate] Deep Learning for Trustworthy Biometrics

Jennifer Ngadiuba
Fermi National Accelerator Laboratory
[intermediate] Ultra Low-latency and Low-area Machine Learning Inference at the Edge

Lucila Ohno-Machado
University of California, San Diego
[introductory] Use of Predictive Models in Medicine and Biomedical Research

Bhiksha Raj
Carnegie Mellon University
[introductory] Quantum Computing and Neural Networks

Bart ter Haar Romeny
Eindhoven University of Technology
[intermediate] NeuroMath – Explainable AI from First Principles

Kaushik Roy
Purdue University
[intermediate] Re-engineering Computing with Neuro-inspired Learning: Algorithms, Architecture, and Devices

Walid Saad
Virginia Polytechnic Institute and State University
[intermediate/advanced] Machine Learning for Wireless Communications: Challenges and Opportunities

Yvan Saeys
Ghent University
[introductory/intermediate] Interpreting Machine Learning Models

Martin Schultz
Jülich Research Centre
[intermediate] Deep Learning for Air Quality, Weather and Climate

Sofia Vallecorsa
European Organization for Nuclear Research
[introductory/intermediate] Generative Models in High Energy Physics: Examples from CERN

Michalis Vazirgiannis
École Polytechnique
[intermediate/advanced] Machine Learning with Graphs and Applications

Guowei Wei
Michigan State University
[introductory/advanced] Integrating AI, Math and Experimental Data to Forecast Emerging SARS-CoV-2 Variants [*virtu...*

Xiaowei Xu
University of Arkansas, Little Rock
[intermediate/advanced] Deep Learning for NLP and Causal Inference

Guoying Zhao
University of Oulu
[introductory/intermediate] Vision-based Emotion AI

More info: https://deeplearn.irdta.eu/2022sp

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