DeepLearn 2022 Spring
6th INTERNATIONAL SCHOOL ON DEEP LEARNING
Guimarães, Portugal · April 18-22, 2022

Keynotes

Christopher Manning
Stanford University
Self-supervised and Naturally Supervised Learning Using Language

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

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

Courses

Eneko Agirre
University of the Basque Country
[intermediate] Deep Learning for Natural Language Processing

Mohammed Bennamoun
University of Western Australia
[intermediate/advanced] Deep Learning for 3D Vision

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

Matias Carrasco Kind
University of Illinois, Urbana-Champaign
[intermediate] Anomaly Detection

Jifeng Dai
SenseTime Research
[intermediate] AutoML for Generic Computer Vision Tasks

Jianfeng Gao
Microsoft Research
[introductory/intermediate] An Introduction to Conversational Information Retrieval

Daniel George
JPMorgan Chase
[introductory] An Introductory Course on Machine Learning and Deep Learning with Mathematica/Wolfram Language

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

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

Yanjun Qi
University of Virginia
[intermediate] Automatic Techniques for Evaluating and Hardening Deep Learning Classifiers in the Presence of Adversaries

Bhiksha Raj
Carnegie Mellon University
[introductory] An Introduction to Quantum Neural Networks

Bart ter Haar Romenij
Eindhoven University of Technology
[intermediate] Deep Learning and Perceptual Grouping

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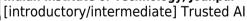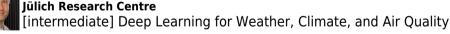[intermediate] Re-engineering Computing with Neuro-inspired Learning: Algorithms, Architecture, and Devices

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 Weather, Climate, and Air Quality

Richa Singh
Indian Institute of Technology, Jodhpur
[introductory/intermediate] Trusted AI

Sofia Vallecorsa
European Organization for Nuclear Research
[introductory/intermediate] Generative Model Applications in the Context of Experimental Physics

Michalis Vazirgiannis
École Polytechnique
[intermediate/advanced] Graph Neural Networks with Applications

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://irdta.eu/deeplearn

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