DeepLearn 2023 Winter
8th INTERNATIONAL SCHOOL ON DEEP LEARNING

Bournemouth, UK · January 16-20, 2023

Keynotes

Yi Ma
University of California, Berkeley
On the Principles of Parsimony and Self-Consistency: Structured Compressive Closed-Loop Transcription

Daphna Weinshall
Hebrew University of Jerusalem
Curriculum Learning in Deep Networks

Eric P. Xing
Carnegie Mellon University
It Is Time for Deep Learning to Understand Its Expense Bills
[*virtual*]

Courses

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

Nitesh Chawla
University of Notre Dame
[introductory/intermediate] Graph Representation Learning

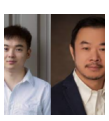
Sumit Chopra
New York University
[intermediate] Deep Learning for Healthcare

Luc De Raedt
KU Leuven
[introductory/intermediate] From Statistical Relational to Neuro-Symbolic Artificial Intelligence

Marco Duarte
University of Massachusetts, Amherst
[introductory/intermediate] Explainable Machine Learning

João Gama
University of Porto
[introductory] Learning from Data Streams: Challenges, Issues, and Opportunities

Claus Horn
Zurich University of Applied Sciences
[intermediate] Deep Learning for Biotechnology



Zhiting Hu & Eric P. Xing
University of California, San Diego & Carnegie Mellon University
A "Standard Model" for Machine Learning with All Experiences
[*virtual*]

Nathalie Japkowicz
American University
[intermediate/advanced] Learning from Class Imbalances

Gregor Kasieczka
University of Hamburg
[introductory/intermediate] Deep Learning Fundamental Physics: Rare Signals, Unsupervised Anomaly Detection, and Gener...

Karen Livescu
Toyota Technological Institute at Chicago
[intermediate/advanced] Speech Processing: Automatic Speech Recognition and beyond

David McAllester
Toyota Technological Institute at Chicago
[intermediate/advanced] Information Theory for Deep Learning

Dhabaleswar K. Panda
Ohio State University
[intermediate] Exploiting High-performance Computing for Deep Learning: Why and How?

Fabio Roli
University of Genova
[introductory/intermediate] Adversarial Machine Learning

Bracha Shapira
Ben-Gurion University of the Negev
[introductory/intermediate] Recommender Systems

Kunal Talwar
Apple
[introductory/intermediate] Foundations of Differentially Private Learning

Tinne Tuytelaars
KU Leuven
[introductory/intermediate] Continual Learning in Deep Neural Networks

Lyle Ungar
University of Pennsylvania
[intermediate] Natural Language Processing using Deep Learning

Bram van Ginneken
Radboud University Medical Center
[introductory/intermediate] Deep Learning for Medical Image Analysis

Yu-Dong Zhang
University of Leicester
[introductory/intermediate] Convolutional Neural Networks and Their Applications to COVID-19 Diagnosis

More info: https://deeplearn.irdta.eu/2023wi

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