

DeepLearn 2022 Winter

5th INTERNATIONAL SCHOOL ON DEEP LEARNING

Bournemouth, UK · January 17-21, 2022

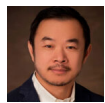
Keynotes



Yi Ma
University of California, Berkeley
White-box Deep (Convolution) Networks from the Principle of Rate Reduction



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

Courses



Peter L. Bartlett
University of California, Berkeley
[intermediate/advanced] Deep Learning: A Statistical Viewpoint



Joachim M. Buhmann
Swiss Federal Institute of Technology, Zürich
[introductory/advanced] Model and Algorithm Validation for Data Science



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



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



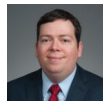
Seungjin Choi
BARO AI Academy
[introductory/intermediate] Bayesian Optimization over Continuous, Discrete, or Hybrid Spaces



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



Rüdiger Dillmann
Karlsruhe Institute of Technology
[introductory/intermediate] Building Brains for Robots



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



Charles Elkan
University of California, San Diego
[intermediate] AI and ML Applications in Finance and Retail



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



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 Generative Models



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



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



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



Jude W. Shavlik
University of Wisconsin, Madison
[introductory/intermediate] Advising, Explaining, Distilling, and Quantizing Deep Neural Networks



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



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

More info: <https://irdta.eu/deeplearn/2022wi>



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