

# DeepLearn 2023 Winter

## 8th INTERNATIONAL SCHOOL ON DEEP LEARNING

Bournemouth, UK · January 16-20, 2023

### Keynotes



**Yi Ma**  
University of California, Berkeley  
CTRL: Closed-Loop Data Transcription via 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 (to be completed)



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



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



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



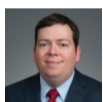
**Seungjin Choi**  
Intellicode  
[introductory/intermediate] Bayesian Optimization over Continuous, Discrete, or Hybrid Spaces



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



**Luc De Raedt**  
KU Leuven  
[introductory/intermediate] Statistical Relational and Neurosymbolic AI



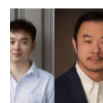
**Marco Duarte**  
University of Massachusetts, Amherst  
[introductory/intermediate] Explainable Machine Learning



**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



**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 (to be confirmed)**  
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



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



**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://irdta.eu/deeplearn/2023wi>



**Bournemouth University**  
Department of Computing and Informatics



**Universitat Rovira i Virgili**  
Tarragona



**Institute for Research Development, Training and Advice (IRDTA)**  
Brussels/London