

# DeepLearn 2023 Winter

## 8th INTERNATIONAL SCHOOL ON DEEP LEARNING

Bournemouth, UK · January 16-20, 2023

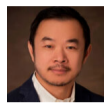
### Keynotes



**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]

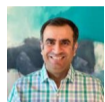
### Courses



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



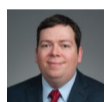
**Nitesh Chawla**  
**University of Notre Dame**  
[introductory/intermediate] Graph Representation Learning



**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



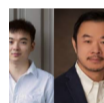
**Marco Duarte**  
**University of Massachusetts, Amherst**  
[introductory/intermediate] Explainable Machine Learning



**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



**Dhableswar 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>



**Bournemouth University**  
Department of Computing and Informatics



**Universitat Rovira i Virgili**  
Tarragona



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