

# DeepLearn 2023 Summer

## 10th INTERNATIONAL GRAN CANARIA SCHOOL ON DEEP LEARNING

Las Palmas de Gran Canaria, Spain · July 17-21, 2023

### Keynotes



**Alex Voznyy**  
University of Toronto

Comparison of Graph Neural Network Architectures for Predicting the Electronic Structure of Molecules and Solids



**Aidong Zhang**  
University of Virginia

Concept-Based Explainable Deep Learning Models

### Courses



**Eneko Agirre**  
University of the Basque Country

[introductory/intermediate] Natural Language Processing in the Large Language Model Era



**Pierre Baldi**  
University of California Irvine

[intermediate/advanced] Deep Learning in Science



**Natália Cordeiro**  
University of Porto

[introductory/intermediate] Multi-Tasking Machine Learning in Drug and Materials Design



**Daniel Cremers**  
Technical University of Munich

[introductory/intermediate] Deep Networks for 3D Computer Vision



**Stefano Giagu**  
Sapienza University of Rome

[introductory/intermediate] Quantum Machine Learning on Parameterized Quantum Circuits



**Georgios Giannakis**  
University of Minnesota

[intermediate/advanced] Learning from Unreliable Labels via Crowdsourcing



**Marcus Liwicki**  
Luleå University of Technology

[intermediate/advanced] Methods for Learning with Few Data



**Chen Change Loy**  
Nanyang Technological University

[introductory/intermediate] Image and Video Restoration



**Deepak Pathak**  
Carnegie Mellon University

[intermediate/advanced] Continually Improving Agents for Generalization in the Wild



**Björn Schuller**  
Imperial College London

[introductory/intermediate] Deep Multimedia Processing



**Amos Storkey**  
University of Edinburgh

[intermediate] Meta-Learning and Contrastive Learning for Robust Representations



**Ponnuthurai N. Suganthan**  
Qatar University

[introductory/intermediate] Randomization-Based Deep and Shallow Learning Algorithms and Architectures



**Savannah Thais**  
Columbia University

[intermediate] Applications of Graph Neural Networks: Physical and Societal Systems



**Lihi Zelnik-Manor**  
Technion - Israel Institute of Technology

[introductory] Introduction to Computer Vision and the Ethical Questions It Raises

More info: <https://deeplearn.irdta.eu/2023su>



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