

# 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



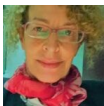
**Eneko Agirre**  
**University of the Basque Country**

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



**Pierre Baldi**  
**University of California Irvine**

[intermediate/advanced] Deep Learning in Science



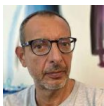
**Natália Cordeiro**  
**University of Porto**

[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



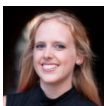
**Amos Storkey**  
**University of Edinburgh**

[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>



University of Las Palmas de Gran Canaria



Rovira i Virgili University



Institute for Research Development, Training and Advice  
- IRDTA



Cabildo de Gran Canaria



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