

# DeepLearn 2022 Summer

## 6th INTERNATIONAL GRAN CANARIA SCHOOL ON DEEP LEARNING

Las Palmas de Gran Canaria, Spain · July 25-29, 2022

### Keynotes



**Wahid Bhimji**  
Lawrence Berkeley National Laboratory  
Deep Learning on Supercomputers for Fundamental Science  
[virtual]



**Joachim M. Buhmann**  
Swiss Federal Institute of Technology Zurich  
Machine Learning -- A Paradigm Shift in Human Thought!?



**Kate Saenko**  
Boston University  
Overcoming Dataset Bias in Deep Learning [virtual]

### Courses



**Arindam Banerjee**  
University of Illinois Urbana-Champaign  
[intermediate/advanced] Deep Generative and Dynamical Models



**Pierre Baldi**  
University of California Irvine  
[intermediate/advanced] Deep Learning: Applications in the Natural Sciences



**Mikhail Belkin**  
University of California San Diego  
[intermediate/advanced] Modern Machine Learning and Deep Learning through the Prism of Interpolation



**Arthur Gretton**  
University College London  
[intermediate/advanced] Probability Divergences and Generative Models



**Phillip Isola**  
Massachusetts Institute of Technology  
[intermediate] Deep Generative Models



**Mohit Iyyer**  
University of Massachusetts Amherst  
[intermediate/advanced] Natural Language Generation



**Irwin King**  
Chinese University of Hong Kong  
[intermediate/advanced] Deep Learning on Graphs



**Tor Lattimore**  
DeepMind  
[intermediate/advanced] Tools and Techniques of Reinforcement Learning to Overcome Bellman's Curse of Dimensionality



**Vincent Lepetit**  
Paris Institute of Technology  
[intermediate] Deep Learning and 3D Reasoning for 3D Scene Understanding



**Dimitris N. Metaxas**  
Rutgers, The State University of New Jersey  
[intermediate/advanced] Model-based, Explainable, Semisupervised and Unsupervised Machine Learning for Dynamic Analyti...



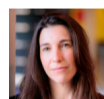
**Sean Meyn**  
University of Florida  
[introductory/intermediate] Reinforcement Learning: Fundamentals, and Roadmaps for Successful Design



**Louis-Philippe Morency**  
Carnegie Mellon University  
[intermediate/advanced] Multimodal Machine Learning



**Wojciech Samek**  
Fraunhofer Heinrich Hertz Institute  
[introductory/intermediate] Explainable AI: Concepts, Methods and Applications



**Clarisa Sánchez**  
University of Amsterdam  
[introductory/intermediate] Mechanisms for Trustworthy AI in Medical Image Analysis and Healthcare



**Björn W. Schuller**  
Imperial College London  
[introductory/intermediate] Deep Multimedia Processing



**Jonathon Shlens**  
Apple  
[introductory/intermediate] Learning a Representation of the Visual World with Neural Networks [virtual]



**Johan Suykens**  
KU Leuven  
[introductory/intermediate] Deep Learning, Neural Networks and Kernel Machines



**A. Murat Tekalp**  
Koç University  
[intermediate/advanced] Deep Learning for Image/Video Restoration and Compression



**Alexandre Tkatchenko**  
University of Luxembourg  
[introductory/intermediate] Machine Learning for Physics and Chemistry



**Li Xiong**  
Emory University  
[introductory/intermediate] Differential Privacy and Certified Robustness for Deep Learning



**Ming Yuan**  
Columbia University  
[intermediate/advanced] Low Rank Tensor Methods in High Dimensional Data Analysis

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



Universidad de Las Palmas de Gran Canaria (ULPGC)



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