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...



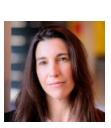
Sean Meyn
University of Florida
[introductory/intermediate] Reinforcement Learning: Fundamentals, and Roadmaps for Successful Design



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

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