

DeepLearn 2022 Summer

7th 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



Rich Caruana
Microsoft Research
Friends Don't Let Friends Deploy Black-box Models: The Importance of Interpretable Neural Nets in Machine Learning



Kate Saenko
Boston University
Learning from Biased Data

Courses (to be completed)



Tülay Adalı
University of Maryland Baltimore County
[intermediate] Data Fusion Using Matrix and Tensor Factorizations



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



Pierre Baldi
University of California Irvine
[intermediate/advanced] Deep Learning: From Theory to 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



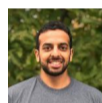
Dumitru Erhan
Google
[intermediate/advanced] Visual Self-supervised Learning and World Models



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
[introductory/intermediate] Introduction to Graph Neural Networks



Vincent Lepetit
Paris Institute of Technology
[intermediate] AI and 3D Geometry for [Self-supervised] 3D Scene Understanding



Yan Liu
University of Southern California
[introductory/intermediate] Deep Learning for Time Series



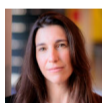
Dimitris N. Metaxas
Rutgers, The State University of New Jersey
[intermediate/advanced] Model-based, Explainable, Semisupervised and Unsupervised Machine Learning for Dynamic Analytics in Computer Vision and Medical Image Analysis



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



Clara I. 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
Google
[introductory/intermediate] Introduction to Deep Learning in Computer Vision



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



Csaba Szepesvári
University of Alberta
[intermediate/advanced] Tools and Techniques of Reinforcement Learning to Overcome Bellman's Curse of Dimensionality



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://irdta.eu/deeplearn/2022su>



Universidad de Las Palmas de Gran Canaria (ULPGC)



Institute for Research Development, Training and Advice (IRDTA)
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