

DeepLearn 2022 Autumn

7th INTERNATIONAL SCHOOL ON DEEP LEARNING

Luleå, Sweden · October 17-21, 2022

Keynotes



Tommaso Dorigo
Italian National Institute for Nuclear Physics
Deep-Learning-Optimized Design of Experiments: Challenges and Opportunities



Elaine O. Nsoesie
Boston University
AI and Health Equity

Courses



Sean Benson
Netherlands Cancer Institute
[intermediate] Deep Learning for a Better Understanding of Cancer



Thomas Breuel
Nvidia
[intermediate/advanced] Large Scale Deep Learning and Self-Supervision in Vision and NLP



Hao Chen
Hong Kong University of Science and Technology
[introductory/intermediate] Label-Efficient Deep Learning for Medical Image Analysis [virtual]



Jianlin Cheng
University of Missouri
[introductory/intermediate] Deep Learning for Bioinformatics



Nadya Chernyavskaya
European Organization for Nuclear Research
[intermediate] Graph Networks for Scientific Applications with Examples from Particle Physics



Efstratios Gavves
University of Amsterdam
[advanced] Advanced Deep Learning [virtual]



Quanquan Gu
University of California Los Angeles
[intermediate/advanced] Benign Overfitting in Machine Learning: From Linear Models to Neural Networks



Jiawei Han
University of Illinois Urbana-Champaign
[advanced] Text Mining and Deep Learning: Exploring the Power of Pretrained Language Models



Awni Hannun
Zoom
[intermediate] An Introduction to Speech Recognition and Weighted Finite-State Automata [virtual]



Tin Kam Ho
IBM Thomas J. Watson Research Center
[introductory/intermediate] Deep Learning Applications in Natural Language Understanding



Timothy Hospedales
University of Edinburgh
[intermediate/advanced] Deep Meta-Learning



Shih-Chieh Hsu
University of Washington
[intermediate/advanced] Real-Time Artificial Intelligence for Science and Engineering



Tatiana Likhomanenko
Apple
[intermediate/advanced] Self-, Weakly-, Semi-Supervised Learning in Speech Recognition [virtual]



Othmane Rifki
Spectrum Labs
[introductory/advanced] Speech and Language Processing in Modern Applications



Mayank Vatsa
Indian Institute of Technology Jodhpur
[introductory/intermediate] Small Sample Size Deep Learning [virtual]



Yao Wang
New York University
[introductory/intermediate] Deep Learning for Computer Vision



Zichen Wang
Amazon Web Services
[introductory/intermediate] Graph Machine Learning for Healthcare and Life Sciences



Alper Yilmaz
Ohio State University
[introductory/intermediate] Deep Learning and Deep Reinforcement Learning for Geospatial Localization

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



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