

# 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]



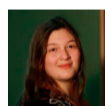
**Tin Kam Ho**  
**IBM Thomas J. Watson Research Center**  
[introductory/intermediate] Deep Learning Applications in Natural Language Understanding



**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://deplearn.irdta.eu/2022au>



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