2nd International Summer School on Deep Learning

DeepLearn 2018
Genova

Genova, Italy, July 23-27, 2018
more info: http://grammars.grlmc.com/DeepLearn2018/

Keynote Speakers (to be completed)

Professors and Courses (to be completed)

Tülay Adali (University of Maryland, Baltimore County), *tba*

Pierre Baldi (University of California, Irvine) [intermediate/advanced] *Deep Learning: Theory, Algorithms, and Applications to the Natural Sciences*

Thomas Breuel (NVIDIA Corporation) [intermediate] *Design and Implementation of Deep Learning Applications*

Joachim M. Buhmann (Swiss Federal Institute of Technology Zurich) [introductory/advanced], Model Selection by Algorithm Validation

Sergei V. Gleyzer (University of Florida) [introductory/intermediate]

Feature Extraction, End-end Deep Learning and Applications to Very Large Scientific Data: Rare Signal Extraction, Uncertainty Estimation and Realtime Machine Learning Applications in Software and Hardware

Michael Gschwind (IBM Global Chief Data Office) [introductory/intermediate] *Deploying Deep Learning at Enterprise Scale*

Xiaodong He (Microsoft Research) [intermediate/advanced] *Deep Learning for Natural Language Processing and Language-Vision Multimodal Intelligence*

Namkug Kim (Asan Medical Center) [intermediate] *Deep Learning for Computer Aided Detection/Diagnosis in Radiology and Pathology*

Sun-Yuan Kung (Princeton University) [introductory] *Systematic (Analytical and Empirical) Optimization/Generalization of Deep Learning Networks*

Li Erran Li (Uber ATG) [intermediate/advanced] *Deep Reinforcement Learning: Foundations, Recent Advances and Frontiers*

Dimitris N. Metaxas (Rutgers University) [advanced]
Adversarial, Discriminative, Recurrent, and Scalable Deep Learning Methods for Human Motion Analytics, Medical Image Analysis, Scene Understanding and Image Generation

Hermann Ney (RWTH Aachen University), [intermediate/advanced]
Speech Recognition and Machine Translation: From Statistical Decision Theory to Machine Learning and Deep Neural Networks

Jose C. Principe (University of Florida), [introductory/advanced] *Cognitive Architectures for Object Recognition in Video*

Douglas A. Reynolds (Massachusetts Institute of Technology) & Najim Dehak (Johns Hopkins University), [introductory/intermediate]
Beyond Words: Machine and Deep Learning for Speaker, Language, and Emotion Recognition from Speech

Björn Schuller (Imperial College London) [intermediate/advanced] *Deep Learning for Signal Analysis*

Michèle Sebag (French National Center for Scientific Research, Gif-sur-Yvette), [intermediate] *Representation Learning, Domain Adaptation and Generative Models with Deep Learning*

Ponnuthurai N Suganthan (Nanyang Technological University), [introductory/intermediate] *Learning Algorithms for Classification, Forecasting and Visual Tracking*

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

Kenji Suzuki (Tokyo Institute of Technology) [introductory/advance] *Deep Learning in Medical Image Processing, Analysis and Diagnosis*

Gökhan Tür (Google Research) [intermediate/advanced] *Deep Learning in Conversational AI*

René Vidal (Johns Hopkins University), [intermediate/advanced] *Mathematics of Deep Learning*

Eric P. Xing (Carnegie Mellon University) [intermediate/advanced], *A Statistical Machine Learning Perspective of Deep Learning: Algorithm, Theory, Scalable Computing*

Ming-Hsuan Yang (University of California, Merced) [intermediate/advanced] *Learning to Track Objects*

Yudong Zhang (University of Leicester) [introductory/intermediate] *Convolutional Neural Network and Its Variants*

Acknowledgments

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