

Deep Learning: what is it? (and some interesting applications)

R1b hall

October 6th, 2021 - 11.30 AM

Prof. Diego Valsesia

Politecnico di Torino, Department of Electronics and Telecommunications



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IN-PRESENCE EVENT**



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Abstract

This seminar will cover the basic ideas behind deep learning, what deep neural networks are and how they can be trained. Popular designs including the convolutional neural network, generative adversarial networks and more will be explained and shown how to be used in problems like image classification and segmentation, generation of artificial images, DeepFakes, and satellite image super-resolution. Quantum Society.

Bio



The seminar will be held by Prof. Diego Valsesia, Assistant Professor with the Department of Electronics and Telecommunications at Politecnico di Torino. His research is focused on building novel deep learning methods, such as graph neural networks, self-supervised learning techniques, etc. for multimedia and remote sensing data. He is a member of the ELLIS Society for the advancement of artificial intelligence in Europe, co-founder of the Torino ELLIS Research Unit, and a member of EURASIP Technical Area Committee on Signal and Data Analytics for Machine Learning.



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