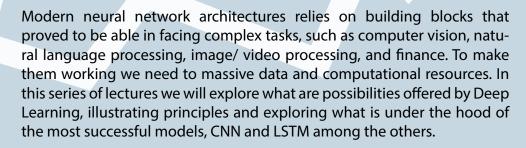High Dimensional Nonstationary Time Series

IRTG 1792
Short Course

Luigi Troiano

Deep Learning Applications in Computer Vision and Finance - NVIDIA DLI Workshop

Modern neural network architectures relies on building blocks that proved to be able in facing complex tasks, such as computer vision, natural language processing, image/ video processing, and finance. To make them working we need to massive data and computational resources. In this series of lectures we will explore what are possibilities offered by Deep Learning, illustrating principles and exploring what is under the hood of the most successful models, CNN and LSTM among the others.

The lectures are part of the Nvidia University Ambassadorship programme. We will have a hands-on full-day workshop where to make practice of Fundamentals of Deep Learning for Computer Vision. The second part of this series will focus on Finance and we will have a final brainstorming session where to share comments and discuss ideas.

Luigi Troiano is Assistant Professor at University of Sannio and University of Salerno, Italy. He is coordinator of the Computational and Intelligent System Engineering Lab at University of Sannio and NVIDIA DLI University Ambassador.

His research interest focus on on modern Data Science, more specifically on application of advanced mathematical models and algorithms to industrial problems, Finance in particular.

05.12.2018 | 14:00-18:00 - Anatomy of Deep Learning
06.12.2018 | 09:00-17:00 - Deep Learning and Finance
07.12.2018 | 09:00-18:00 - Nvidia DLI Workshop
SPA1, R.401

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