POLITECNICO
MILANO 1863

Automation and Control Industry Seminar:

The AI Paradigm Shift

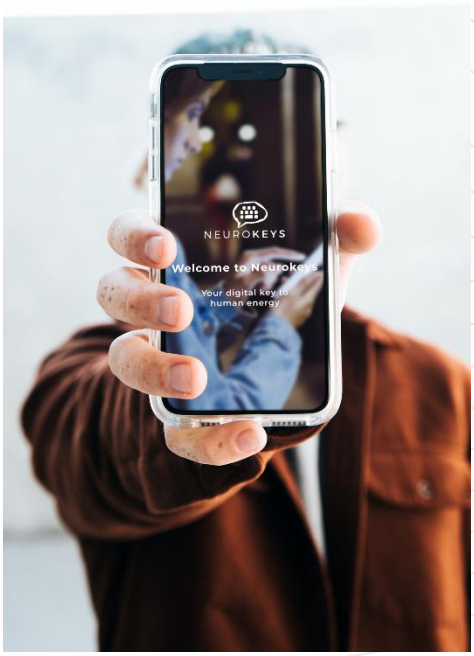
Dr. Giovanni Licitra, Neurocast B.V.

Download the calendar invitation

WHEN: Thursday, March 31st, 2022, 14.00-15.00 (45' seminar + 15' Q&A)

WHERE: https://politecnicomilano.webex.com/meet/lorenzo.fagiano

ABSTRACT: In this talk, I will show how control theory and system identification can be generalized using an Artificial Intelligence (AI) framework. I will provide an overview of different Machine Learning (ML) problems, such as supervised and unsupervised learning. Next, the development of an AI model starting from data collection, model training, testing to deployment will be presented. Through a concrete use case, I will discuss challenges, technologies and how they impact the product from a performance and business point of view. Following a typical machine learning workflow, concepts of feature engineering, feature selection, model fitting, validation and interpretation of black-box models will be discussed. Finally, I will conclude with an overview of career paths, as well as required knowledge and tips if you want to move into the AI/ML field.



SPEAKER: Giovanni Licitra is a Lead Data Scientist at Neurocast B.V. in Amsterdam (the Netherlands), with eight years of working experience in Aerospace, Renewable Energy, FinTech and MedTech. He is currently managing a team of machine learning engineers and data scientists working on developing systems capable of passively monitoring symptoms of chronic diseases using smartphone technology combined with Artificial Intelligence. Giovanni Licitra studied electronic and automation engineering at the University of Calabria, Italy. He received his PhD degree as a Marie Curie Fellow from the University of Freiburg in 2018 in predictive control theory and numerical optimization.

The seminar is organized by the Automation and Control Engineering Degree Programme and primarily intended for students enrolled in the third year of the BSc Degree or in the MSc Degree. The seminar will be held in English. For information you can contact Prof. Lorenzo Fagiano (lorenzo.fagiano@polimi.it)