



UNIVERSITA' CAMPUS BIO-MEDICO DI ROMA

Laboratorio di ricerca Automatica

# Seminari

## Machine Learning approaches for Dynamic Safety Assessment of Complex Systems

Ing. Tomaso Vairo

### Abstract

The workshop deals with the application of machine learning techniques to assess the safety of complex systems in dynamic environments. Different approaches to integrating machine learning algorithms with traditional safety assessment methods will be presented, and how these techniques can be applied in real-world scenarios. Different examples of data driven approaches for dynamic safety assessment will be presented, and how the implementation of those techniques can improve the decision making process will be discussed.

### Short CV

Tomaso Vairo, chemical engineer, PhD in chemical, material and process engineering. Risk analyst and member of the Ligurian regional technical committee for major accident prevention since 2006. Head of the prevention and safety office of the local health authority in the port of Genoa. Researcher and guest lecturer at the university of Genoa.



**Martedì 16 maggio 2023 - ore 14:30-16:30**  
**Aula T15**

**Università Campus Bio-Medico di Roma**  
**Via Álvaro del Portillo, 21**