



# **von KARMAN INSTITUTE FOR FLUID DYNAMICS**

## **CERTIFICATE OF ATTENDANCE**

### **Hands on Machine Learning for Fluid Dynamics**

This is to certify that

**Lorenzo Piu**

has attended the course on "Hands on Machine Learning for Fluid Dynamics", hosted by the von Karman Institute of Fluid Dynamics from 13th February to 17th February 2023. The course was held in double format 'online' + 'onsite'.

The course consisted of twenty lectures of 1h30 (30 hours), covering the fundamentals of machine learning and python programming, optimization, regression, dimensionality reduction and reinforcement learning.

Rhode-Saint-Genève, 17 February 2023

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**Course Director**

**Prof. Miguel A. Mendez**  
von Karman Institute