



## CERTIFICATE OF ATTENDANCE

### Hands on Machine Learning for Fluid Dynamics

This is to certify that

**Bulent Duz**

has attended the course on "Hands on Machine Learning for Fluid Dynamics", hosted by the von Karman Institute of Fluid Dynamics from 7<sup>th</sup> February to 11<sup>th</sup> February 2022. 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 2022

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

**Course Director**