

Agenda - CYPHER 1st General Meeting

Thursday - 06/02/2025	
8:30	Registration / Sign attendance list
09:00 – 09:10	Welcome with Anh Khoa Doan (WG Leader)
09:10- 09:15	Claim Reimbursement Guidelines with Patricia Domingo Alvarez (GHM)
WORKSHOP	
09:15 - 10:00	Alberto Cuoci (POLIMI) – Title to be provided <i>General topic: Acceleration Methods with Machine Learning</i>
10:00- 10:30	Break
10:30 - 11:15	Esteban Ferrer (UPM) – Towards an RL-Driven CFD Solver for Enhanced Simulations
11:15 - 12:00	Taraneh Sayadi (CNAM) – Data-driven modelling and reduction of complex flows
12:00 – 13:00 POSTER SESSION	
13:00- 14:30	Break
14:30-15:15	Andrea Ianiro – Neural encoding and event-based signal processing: opportunities for advanced data sampling in turbulence
15:15 - 16:00	Stefano Discetti (UC3M) – Machine learning to enhance turbulent flow measurements
16:00- 16:30	Break
16:30 - 17:15	Kamila Zdybal (EMPA) – How can machine learning support PIV?
17:15 – 18:00	Florence Vermeire (KU Leuven) – Graph neural networks for physicochemical property prediction
20:00	Social Dinner
Friday - 07/02/2025	
8:30	Registration / Sign attendance list
09:00 – 09:45	Anh Khoa Doan (TU Delft) – Machine Learning for Flame Dynamics Analysis and Modelling
09:45 – 10:30	Salvatore Iavarone (CentraleSupélec) – (Machine) Learning from the Past: Data-Driven Forecast of Dynamical Systems
10:30- 11:00	Break
11:00 - 11:45	Luca Magri (Imperial College) – Real-time modelling
11:45 - 12:30	Soledad LeClainche Martinez (UPM) – Title to be provided <i>General topic: ROMs</i>
12:30 – 13:15 POSTER SESSION	
13:15- 14:30	Break
14:30 - 15:15	Miguel Mendez (VKI) – Methods to Integrate Machine Learning in Fluid Dynamics Engineering
15:15 - 16:00	Antonio Attili (University of Edinburgh) – Title to be provided <i>General topic: Machine Learning Strategies for Closures</i>
16:00- 16:30	Break
16:30 - 17:15	Alessandro Parente (ULB) – Title to be provided <i>General topic: Machine Learning Strategies for Closures</i>
17:15	Farewell Cocktail

