



# ConScience

Towards a responsible use  
of Machine Learning

## Timetable

Time	Topic	Speaker
09:30-09:45	Registration and welcome	
09:45-10:00	Institutional greetings	Prof. Bernardo Tellini Prof. Francesca Di Puccio (Università di Pisa)
10:00-10:30	<i>Introduction to Machine Learning</i>	Prof. Giorgio Stefano Gnecco (Scuola IMT Alti Studi Lucca)
10:30-11:00	<i>Deep Generative Approach for Structural Materials Design</i>	Prof. Chi-Hua Yu (National Cheng Kung University)
11:00-11:30	<i>Towards Trustworthy AI: Federated Learning meets Explainability</i>	Dott. Alessandro Renda (Università di Pisa)
11:30-11:45	Coffee Break	
11:45-12:15	<i>A discussion about knowledge-based feature selection</i>	Prof. Nicola Vanello (Università di Pisa)
12:15-12:45	<i>No more mesh refinements through AI: predicting plastic fields around notches from coarse elastic data</i>	Dott. Tommaso Grossi (Università di Pisa)
12:45-14:30	Buffet Lunch	
14:30-15:00	<i>Can we replace human intelligence with deep learning to investigate transport phenomena in chemical engineering?</i>	Prof. Daniele Marchisio (Politecnico di Torino)
15:00-15:30	<i>AI systems as experimental technologies: ethical implications</i>	Dott. Giacomo Zanotti (Politecnico di Milano)
15:30-17:00	PhD poster session + Coffee break	
17:00-17:30	Conclusion of the event	

