

Session Program

Sep 6 – 10, 2026



ENBIS-26 Conference

AI: Machine Learning and Predictive Analytics

Centro Didattico Morgagni
Viale Morgagni 40, Firenze

Mon, September 7

10:55 AM

AI: Machine Learning and Predictive Analytics

Session | Location: Conference Room 103 | Convener: Nicolas Bousquet

10:55 – 11:15 AM

Data-Efficient Upscaling and Optimal Control of Fed-Batch Bioprocesses via Hybrid Modelling and Transfer Learning

Speaker

Luca Riezzo

11:15 – 11:35 AM

Local Constrained Bayesian Optimization for High-Dimensional Industrial Design

Speaker

Jingzhe Jing

11:35 – 11:55 AM

Extending Inverse Distance-based Exploration for Active Learning to Streaming: Online Active Learning for Regression

Speaker

Bernhard Spangl

11:55 AM

Wed, September 9

9:30 AM

AI: Machine Learning and Predictive Analytics

Session | Location: Conference Room 102 | Convener: Francesca Bassi

9:30 – 9:50 AM

Belief Propagation for Early Sequential Feature Selection in Manufacturing

Speaker

Joana Martins

9:50 – 10:10 AM

Decision Reliability in Uplift Modeling: A Stability- and Value-Driven Framework for Customer Retention Policy Selection

Speaker

Prof. Massimo Pacella

10:10 – 10:30 AM

Wrapper-Based Variable Selection for Interacting Variables in Manufacturing

Speaker

Marcus Engsig

10:30 AM

10:55 AM

AI: Machine Learning and Predictive Analytics

Session | Location: Conference Room 102 | Convener: Riccardo Ceccato

10:55 – 11:15 AM

A Two-Dimensional View of Classification Difficulty: Local Ambiguity and Global Separability

Speaker

Dr Yariv N. Marmor

11:15 – 11:35 AM

Ranking Sets of Variables by Multivariate Association: a Non Parametric Combination Approach

Speaker

Elena Barzizza

11:35 – 11:55 AM

A two-layer model for opinion spread in hypergraphs as a Markov chain and as the object of machine learning methods

Speaker

András Zempléni

11:55 AM

2:30 PM

AI: Machine Learning and Predictive Analytics

Session | Location: Conference Room 103 | Convener: Dr Morten Bormann Nielsen

2:30 – 2:50 PM

Semi-Supervised PARAFAC2 Decomposition for Computational Phenotyping Using Electronic Health Records

Speaker

Mostafa Reisi Gahrooei

2:50 – 3:10 PM

Sustainable specialty chemical design through multi-objective latent-variable model inversion

Speaker

Prof. Pierantonio Facco

3:10 – 3:30 PM

Predictive Maintenance to Reduce the Total Cost of Ownership of Oil and Gas Downhole Tools

Speaker

Mahmoud Awad

3:30 PM