



# ENBIS-25 Conference

## Tuesday, 16 September 2025

### Machine Learning: 1 (09:00 - 10:00)

time	[id] title	presenter
09:00	[3] Timing is Everything: Defining Project Review Periods Through Monte Carlo Simulation and Machine Learning	CARNEIRO, Andre
09:20	[89] Integrating Knowledge Retrieval Gen AI in Financial Services	MAKRIS, MICHAIL
09:40	[66] The Diminishing Returns of Model Complexity in Industrial Applications	Dr MARMOR, Yariv N.

### Machine Learning: 2 (10:05 - 11:05)

time	[id] title	presenter
10:05	[83] A Scalable Data-driven Framework for Predicting Crop Yield in Smart Agriculture	Prof. VANACORE, Amalia CIARDIELLO, Armando
10:25	[12] Heterogeneous Transfer Learning for Chemical Process Optimization: A Kinetics Perspective	ABED, Youba
10:45	[45] Manual Welding Fault Detection Using Machine Learning	AWAD, Mahmoud

### Machine Learning: 3 (15:05 - 16:05)

time	[id] title	presenter
15:05	[42] Bayesian Desirability Functions: An Organizing Principle for Multiple Response Optimization	GOTWALT, Chris
15:25	[37] Bayesian binary classification under label uncertainty with network-informed Gaussian Processes	BOURAZAS, Konstantinos
15:45	[77] Efficient Experimental Design for Bioprocesses Across Scales Using Multi-Fidelity Bayesian Optimisation	Dr HELLECKES, Laura Marie

### Machine Learning: 4 (16:10 - 17:10)

time	[id] title	presenter
16:10	[70] Towards A Nonparametric Bump Hunting Algorithm for Rule Generation In High-dimensional Data	BERRADO, Abdelaziz
16:30	[22] A Federated Semi-Supervised Approach to Predicting Parkinson's Disease Severity from Tabular Data	GAW, Nathan
16:50	[108] Leveraging Machine Learning and Process Monitoring for Real-Time Data Stream Surveillance	SKARLATOS, Kyriakos

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**Machine Learning: 5 (09:00 - 10:00)**

time	[id] title	presenter
09:00	[94] Combining Statistical Rigor with Machine Learning: Split-Based Forward Selection method to choose the most important variables	BIRIS, Panagiotis
09:20	[96] From Unstructured Data to Knowledge Discovery: A Novel Deep Learning Framework for Text Mining	PAPAGEORGIU, Grigorios
09:40	[76] Multi-Agent LLMs for Sustainable Operational Decision Making	PAJAK, Emma