

Table of contents

Tuesday 16 September 2025	1
---------------------------------	---

GRICU 2025 Congress & GRICU/NEST Doctoral School + CAPE Forum 2025

Tuesday 16 September 2025

CHEMICAL ENGINEERING IN THE DIGITAL ERA II - Room Nitrodi A (11:00-13:30)

time	[id] title	presenter
11:00	[108] 222 - An eXplainable AI Framework for Hybrid Modelling and Optimization of Marine Scrubber Systems	DI BONITO, Luigi Piero
11:15	[109] 183 - An automatic framework for continuous model development	STAGNI, Alessandro
11:30	[110] 52 - AI-based soft sensor for real-time assessment of CO ₂ and mycotoxins in hazelnut storage	FISSORE, Davide
11:45	[111] 8 - Dynamic analysis of flooding phenomena in structured packed columns using advanced signal processing techniques	GIUSTACORI, Pietro
12:00	[112] 110 - Dissipative Particle Dynamics as a Computational Tool to detect the Morphology-Rheology Interplay in Pluronic F68/Water mixtures: A Promising Drug Carrier	LAURIELLO, Nunzia
12:15	[187] 66 - Process Analytical Technology in Food: Rheo-Raman Monitoring of Milk Coagulation as a Case Study	SIBONO, Leonardo
12:30	[114] 235 - Efficient NMPC Strategies for Thermal Stress Mitigation in Steam Turbines Powered by Solar Plants	PANNOCCHIA, Gabriele
12:45	[115] 59 - From Early Warning Systems to Risk Assessment: Embedding the Concept of Water Sanitation and Safety Plans into the Urban Water Cycle for Resilient Water Management	SIMONETTI, Federica
13:00	[116] 94 - Supporting ammonia catalysts development through machine learning	TAMIAZZO, Edoardo
13:15	[117] 208 - Explainable Machine Learning for Batch Chemical Processes	VALLERIO, Mattia