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

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

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11:00	[22] 84 - Exploiting hybrid modelling strategies for predicting intestinal solubility	BRENDOLAN , Marco
11:15	[23] 87 - 4D Microscale Modelling of Lithium-Ion Battery Performance: SEI Growth and Data-Driven Surrogate Modelling	BUCCAFUSCO, Elisa
11:30	[31] 221 - From Electrical Signals to Spray Mode Control: An eXplainable AI Framework for Electrospray Processes	DI BONITO, Luigi Piero
11:45	[32] 83 - Pore Scale CFD Simulation To Investigate Transport Phenomena In Multiphase Catalytic Packed-Bed Reactors	FIDA, Diego
12:00	[33] 5 - Towards optimal model selection: a trade-off between calibration effort and prediction accuracy	GEREMIA, Margherita
12:15	[34] 147 - Multiscale circular economy process simulation and optimization	IANNOTTA , Nicolas
12:30	[35] 7 - Breaking Modeling Boundaries: the Strategic Advantage of Hybrid Approaches in PSE	MARELLA, Tiziana
12:45	[36] 236 - Data-driven modeling for advanced process control: research directions and some examples	PANNOCCHIA, Gabriele
13:00	[37] 16 - ANN-based surrogate modelling for short- and long-term performance optimization of COX methanation reactors	PAPPAGALLO, Mauro Andrea
13:15	[38] 125 - Optimizing the Computational Time for Surrogate Model Training in Complex Chemical Process Simulations: An Application of the Traveling Salesman Problem	SÁNCHEZ, Luis Felipe