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

## Tuesday 16 September 2025

### DECARBONIZATION OF ENERGY SYSTEMS III - Room Pithecusa (11:00-13:15)

-Conveners: Paolo Canu; Elisabetta Arato

time	[id] title	presenter
11:00	[88] 44 - High Temperature Pyrolysis as a Tool for Energy Recovery: Waste from a Furniture Manufacturing Industry Case Study	ANDREAZZA, Carlo
11:15	[89] 102 - Performance Assessment and Feed Optimization of a Multitubular Methanol Synthesis Reactor Under Variable Operating Conditions	BOZZINI, Marcello Maria
11:30	[90] 223 - Catalytic cracking of methane over carbon-based catalysts	CATIZZONE, Enrico
11:45	[91] 176 - A fundamental study of the Deep Injection-Floating Catalyst Chemical Vapor Deposition reactor via 3D reactive simulations	LISENA, Nicolò
12:00	[93] 53 - Enhancing heat management in compact Fischer–Tropsch reactors via structured internals with POCS design	PANZERI, Martino
12:15	[94] 86 - Inferring equilibrium and pseudo-equilibrium pVT properties of super-glassy polymers from gas solubility data	PARCHI, Roberto
12:30	[95] 123 - Fe-based Fischer-Tropsch optimization for e-kerosene production	BENSAID, Samir
12:45	[96] 252 - Techno-economic analysis of direct biogas methanation: assessment of Minimum Selling Price under different process configurations and depreciation schemes	TOMMASI, Matteo
13:00	[97] 243 - Experimental characterization and cycle operation of a Directly Irradiated Fluidized Bed Autothermal Reactor	TROIANO, Maurizio