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

## Wednesday 17 September 2025

### SAFE AND SUSTAINABLE ENGINEERING SOLUTIONS FOR ENVIRONMENTAL SYSTEMS V - Room Primavera

(09:30-11:00)

time	[id] title	presenter
09:30	[156] 47 - Hydrogen High-Pressure Gas Storage in Type IV Tanks: A Molecular Simulation Study on Hydrogen Permeation in Polyamide 6 Liner Under Dry and Humid Conditions	ATIQ, Omar
09:45	[157] 265 - Effect of non-catalytic surface on Methane Pyrolysis for Hydrogen and Carbon Production: an experimental and modelling approach	BUSILLO , Emmanuel
10:00	[158] 169 - Optimization of a sustainable solvent-based process for elastane separation and recycling from blended textiles	GUASTAFERRO, Mariangela
10:15	[159] 175 - Analysis and comparison of sustainable ethylene production processes	LEONZIO, Grazia
10:30	[160] 219 - Tackling real-stream complexity in the valorization of microalgae HTC wastewater via aqueous phase reforming	PIPITONE, Giuseppe
10:45	[161] 107 - PVDF bilayer electrospun nanostructured composite catalytic membranes for dye degradation by hybrid advanced oxidation processes	BOARETTI, Carlo