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

## Wednesday 17 September 2025

### DECARBONIZATION OF ENERGY SYSTEMS V - Room Pithecusa (09:30-11:00)

| time  | [id] title  | presenter              |
|-------|---|------------------------|
| 09:30 | [171] 46 - Techno-economic insights on biological hydrogen production through an integrated dark- and photo-fermentation process                | BARBERA, Elena         |
| 09:45 | [172] 137 - Development of Carboxymethylated Nanocellulose-Ionic Liquid Membranes for CO <sub>2</sub> Capture Under Tunable Humidity Conditions | MAGHAZEH, Zahra        |
| 10:00 | [173] 4 - An overview of hydrogen storage in aqueous formate solutions  | RUSSO, Danilo          |
| 10:15 | [174] 248 - Engineering a non-thermal plasma electrochemical device for decentralized ammonia production at ambient conditions                  | TORRE, Marco Francesco |
| 10:30 | [3] 43 - Ni-based catalysts supported onto hazelnut shells-derived hard carbons for H <sub>2</sub> and CNM production                           | SURANITI, Leonardo     |
| 10:45 | [176] 132 - Zeolite effect on Fe-based Fischer-Tropsch for e-fuel production  | BENSAID, Samir         |