

LAUREE MAGISTRALI IN CHEMICAL AND PROCESS ENGINEERING

Aula Magna di Ingegneria - Via L. Loredan, 20 - Padova

16 aprile 2026, ore 9.00

Laureandi

N.	Laureando	Relatore	Titolo tesi	Ora
1	AGHATAYEB MINA	Elena BARBERA	Simulation and optimization of biomethane production from biogas with the best Carbon Molecular Sieve by Pressure-Swing Adsorption using PSASIM software	9.00
2	AHMADI MAHDI	Paolo CANU	Modeling of solid oxide electrochemical reactors through microkinetics and multiphysics simulators	
3	BARDARO DAVIDE	Paolo CANU	Analytical characterisation and thermal desorption of PFAS-contaminated activated carbon	
4	BETTIOL MATTIA	Pierantonio FACCO	Development of a Kaizen framework through Machine learning methodologies: the case study of San Benedetto	
<i>Proclamazioni</i>				10.00
5	BRANZ CARLO	Paolo CANU	Kinetic modelling of methane pyrolysis over a carbonaceous catalyst	10.10
6	DE CAPRIO MATTEO	Pierantonio FACCO	Model discovery of catalyst poisoning for ammonia synthesis through symbolic regression and kinetic parameters estimation	
7	GONZÁLEZ ALONSO IVÁN	Elena BARBERA	Valorisation of dairy industry by-products through mixotrophic and heterotrophic cultivation of <i>Galdieria sulphuraria</i> : a techno-economic perspective	
8	GUERRA FEDERICO	Massimiliano BAROLO	Development of a digital twin in the absence of operational data: synthetic data generation and energy optimization of an industrial refrigeration system	
<i>Proclamazioni</i>				11.10
9	MAZLOUM LAUREN	Elena BARBERA	Technical feasibility and experimental validation of sodium carbonate production via Ion Exchange process	11.20
10	PRESSATO FEDERICO	Elena BARBERA	Development of a preliminary cost estimation model for the design of K ₂ CO ₃ -based CO ₂ capture plants	
11	RAFIPOURLANGAROUDI ARASH	Eleonora SFORZA	Investigating how solid particles influence oil removal efficiency during gas flotation	
<i>Proclamazioni</i>				12.05

Sarà consentito l'accesso in aula di max. 20 ospiti per laureando.

Commissione: Prof. Paolo CANU (Presidente)

Ing. Elena BARBERA, Prof. Pierantonio FACCO, Ing. Sajid HUSSAIN, Prof. Eleonora SFORZA

Altri relatori: Prof. Massimiliano BAROLO

Si avvisa la Commissione che la riunione preparatoria si terrà lo stesso giorno alle ore 8.30 nella saletta riunioni retrostante l'Aula Magna.