LAUREE MAGISTRALI IN INGEGNERIA ENERGETICA
LAUREE MAGISTRALI IN ENERGY ENGINEERING

Aula Magna di Ingegneria - Via L. Loredan, 20 – Padova - 18 luglio 2025, ore 9.00

Laureandi in Ingegneria Energetica

N.	*Laureando*	*Relatore*	*Titolo tesi*	*Ora*
1	SACILOTTO ALEX	Michele DE CARLI	Analisi dell'efficientamento energetico di archetipi di edifici residenziali: confronto economico e prestazionale tra i diversi tipi di intervento	9.00

Laureandi in Energy Engineering

N.	*Laureando*	*Relatore*	*Titolo tesi*	*Ora*
1	ALAM ZOHAIB	Anna STOPPATO	Dynamic simulation of a sustainable hydrogen purification and storage system using gas from sludge-based dark fermentation for fuel cell applications	9.00
2	ASMAMAWU EPHREM BZUAYEHU	Michele DE CARLI	A scenario-based analysis of energy conservation measures in building-using dynamic simulation	
3	BIASI MASSIMILIANO	Giorgio PAVESI	Numerical analyses of a small wind turbine with special consideration of the installation site - The case of " Air 30"	
Proclamazioni				10.00
4	CARRARO AVENTI LUIGI	Anna STOPPATO	Study of the dynamic behaviour of an Integrated Energy Storage System through numerical simulations in Aspen Plus Dynamics	10.10
5	DEGAN ELEONORA	Emanuele SARTORI	Study of Cs transport in SPIDER plasma using a test-particle Monte Carlo code	
6	GAION SIMONE	Michele DE CARLI	District-level building decarbonization through renewable technologies, heat pump and energy storage: techno-economic and environmental optimization	
7	GAVIN MARTINA	Anna STOPPATO	Development and application of a water circularity index to evaluate the water energy nexus in Italy	
Proclamazioni				11.10
8	GHORBANI BEHZAD	Michele DE CARLI	Design optimization and energy assessment of coaxial geothermal heat exchangers for residential applications	11.20
9	HEIBATIGOUJANI MOHAMMAD	Giorgio PAVESI	Preliminary design and evaluation of active flow control in turbines for an air-cathode supply system of a fuel cell driven aircraft	
10	OLIVA MATTEO	Anna STOPPATO	Emission reduction technologies for cruise ships: waste heat utilization for onboard CO_2 capture	
11	SALIMI ALI	Anna STOPPATO	Optimization and sizing of a hybrid energy system with PV, heat pump, and boiler: a Gurobi modeling approach	
Proclamazioni				12.20
12	SCOTTON LUCA	Michele DE CARLI	Comparative CFD analysis of the effect of simple airfoil profiles on direct expansion heat pumps for optimizing air distribution in industrial environments	12.30
13	SOSTERO LEONE	Anna STOPPATO	Comparative techno-economic assessment of two power-to-hydrogen-to-X processes	
14	TUFA FRAOL TULU	Michele DE CARLI	Machine learning and regression techniques for performance prediction and anomaly detection of heat pumps	
15	VAGHELA MAHAVIR GORDHANBHAI	Stefano BORTOLIN	Commissioning and reconstruction of a H_2O/LiBr falling-film absorber for the analysis of the effect of additives on the heat and mass transfer	
Proclamazioni				13.30

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

Commissione: Prof. Michele DE CARLI (Presidente)

Prof. Stefano BORTOLIN, Ing. Lino DI LEONARDO, Prof. Giorgio PAVESI, Prof. Emanuele SARTORI

Altri relatori: Prof. Anna STOPPATO

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