

LAUREE MAGISTRALI IN ENERGY ENGINEERING

Aula Magna di Ingegneria - Via L. Loredan, 20 - Padova - 17 aprile 2025, ore 9.00

Laureandi

N.	Laureando	Relatore	Titolo tesi	Ora
1	BERTELE' FRANCESCO	Sergio RECH	The role of different applications of photovoltaic technologies in multi-energy systems	9.00
2	BERTUZZI FRANCESCO	Anna STOPPATO	Final design and commissioning of a R717 small scale plate heat exchanger facility and preliminary experimental tests	
3	DAVIDE GIULIO	Anna STOPPATO	Surplus heat utilization options for the neighborhood of the Future Circular Collider (FCC)	
4	DAVOUDABADIFARAHANI EHSAN	Giorgio PAVESI	Development of a test protocol for particle tracking velocimetry of turbine wakes in a towing tank	
<i>Proclamazioni</i>				10.00
5	EBRAHIMI REZA	Anna STOPPATO	Fatigue analysis of wind turbine tower-flange connections: investigating structural ruptures	10.10
6	GHEZZE PIETRO	Anna STOPPATO	Towards sustainable energy systems: a multi-vector hub study of a University Campus	
7	GUZZON PAOLO	Anna STOPPATO	Cycle assessment and water footprint of hydrogen production in North Africa	
8	JAMEH BOZORG POYA	Anna STOPPATO	Intelligent monitoring and predictive maintenance of wind turbines: analyzing performance under ideal and real conditions	
<i>Proclamazioni</i>				11.10
9	LION NICOLÒ	Marco TANCON	Experimental investigation of dropwise condensation of water vapor under atmospheric and sub-atmospheric pressure	11.20
10	MARCHETTI GIACOMO	Anna STOPPATO	Comparison between microchannels and fin&tube heat exchanger on a R290 reversible air-to-water heat pump: performance, defrosting and refrigerant charge analysis	
11	MARINOVIC VLADAN	Anna STOPPATO	Parametric analysis and experimental validation of ammonia water absorption compression heat pump	
12	NEVODINI DAVIDE	Anna STOPPATO	Self-sufficient zero-emission airports powered by small modular reactors	
<i>Proclamazioni</i>				12.20
13	NOVRUZOVA NIGAR	Anna STOPPATO	Use of thermal storages in cogeneration for both electrical and thermal purposes	12.30
14	POLETTI DAVIDE	Anna STOPPATO	Experimental and numerical investigation of cooling in electric motor windings using hollow copper conductors with internal coolant flow: a CFD approach with ANSYS fluent	
15	SADAK IKRAM	Anna STOPPATO	Design and optimization of a sustainable multi-energy system for seawater desalination and generation of electricity from renewable energy sources coupled with battery and hydrogen storage	
16	SADEQ M AIRAJ FIRDAWS	Jacopo VIVIAN	Energy performance simulation of non residential buildings: the case study of University of Padua	
17	SHALABY SHOROUK EMAD MOHAMED	Anna STOPPATO	Environmental footprint of phase change material (PCM) used in Thermal Energy Storage (TES): a life cycle assessment study	
<i>Proclamazioni</i>				13.45

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

Commissione: Prof. Anna STOPPATO (Presidente)

Prof. Giorgio PAVESI, Ing. Sergio RECH, Ing. Marco TANCON, Ing. Jacopo VIVIAN

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