

LAUREE MAGISTRALI IN ENERGY ENGINEERING

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

6 marzo 2025, ore 9.00

Laureandi

| N. | Laureando | Relatore | Titolo tesi | Ora |
|----------------------|--------------------------------|--------------------|--|-------|
| 1 | ANTONELLO ENRICO | Nicola TRIVELLIN | Analysis of the evolution and impact of IR detected anomalies on photovoltaic power plants | 9.00 |
| 2 | DICATI DIEGO | Andrea LAZZARETTO | A MILP framework for the integration of CO ₂ -based District heating and cooling networks in multi-energy systems | |
| 3 | FAVARETTO PIERGIORGIO | Anna STOPPATO | Thermal model for wet multi disc-clutches | |
| 4 | GRAZIANI LUCA | Arturo LORENZONI | Techno-economic analysis of Hydrogen integration as a natural gas replacement in steel mill production processes | |
| <i>Proclamazioni</i> | | | | 10.00 |
| 5 | GREGORI NICOLÒ | Michele DE CARLI | Evaluation of energy need for space heating in buildings: a predictive tool based on ANN Machine Learning | 10.10 |
| 6 | GUGOLE MANUEL | Gianluca CARRARO | Dynamic modelling and simulation of a supercritical CO ₂ power system for waste heat recovery | |
| 7 | MAGGIOLO MICHAEL | Massimiliano COPPO | Microgrid development and integration: a real case analysis | |
| 8 | PURI TIBERIO | Anna STOPPATO | Development of a tool for the sizing and operation optimization of the energy hub of a new hospital in Legnago | |
| <i>Proclamazioni</i> | | | | 11.10 |
| 9 | SALMASO ALESSANDRO | Michele DE CARLI | Ventilation effectiveness of a decentralized mechanical ventilation system: on-site measurements and CFD analysis | 11.20 |
| 10 | TONIN ALBERTO | Arianna BERTO | Numerical study for the design of direct absorption solar collectors operating with nanofluids | |
| 11 | VANKADARU SAI SIVA SUBRAMANYAM | Stefano BORTOLIN | Experimental investigation on the performance of propane (R290) air-source heat pumps working in conditions of frost formation | |
| 12 | VERONESI CHRISTIAN | Anna STOPPATO | CFD analysis of a solid sensible heat thermal energy storage using Ansys Fluent | |
| <i>Proclamazioni</i> | | | | 12.20 |

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

Commissione: Prof. Anna STOPPATO (Presidente)

Ing. Arianna BERTO, Prof. Stefano BORTOLIN, Ing. Gianluca CARRARO, Ing. Sergio RECH

Altri relatori: Prof. Massimiliano COPPO, Prof. Michele DE CARLI, Prof. Andrea LAZZARETTO, Prof. Arturo LORENZONI, Prof. Nicola TRIVELLIN

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