

# LAUREE MAGISTRALI IN ENERGY ENGINEERING

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

8 marzo 2024, ore 14.00

## Laureandi

| N.                   | Laureando                    | Relatore         | Titolo tesi  | Ora   |
|----------------------|------------------------------|------------------|--|-------|
| 1                    | AKBARI FARZANEH              | Anna STOPPATO    | Comparative Life Cycle Assessment of separator tank structural materials   | 14.00 |
| 2                    | BEDIN GABRIELE               | Anna STOPPATO    | Comparative Life Cycle Assessment of sustainable aviation fuels: Country-based study of alcohol-to-jet pathways at the European level                              |       |
| 3                    | BISINELLA SAMUELE            | Nicolò MARCONATO | Design and realization of the electronic control unit of a DCCT sensor for beam current measurement of the SPIDER experiment                                       |       |
| 4                    | DRIDI YOSRA                  | Anna STOPPATO    | A Life Cycle Assessment of a green hydrogen production plant via electrolysis  |       |
| <i>Proclamazioni</i> |                              |                  |  | 15.00 |
| 5                    | GIUSTI EDOARDO               | Anna STOPPATO    | Analysis and optimization of a system aimed at the transformation of green hydrogen from gas to liquid as part of a project for the establishment of an energy hub | 15.10 |
| 6                    | KUMAR PARTEEK                | Roberto TURRI    | Allocation of Synchronous Condenser for optimizing overcurrent capabilities in inverter base resources integrated grid   |       |
| 7                    | LALAH AHMAD F GHARIB         | Anna STOPPATO    | Environmental footprint of supermarket refrigeration: a Life Cycle Assessment study  |       |
| 8                    | MANICA THOMAS                | Giorgio PAVESI   | Pumped hydro storage: technology overview and methods for the evaluation of new pumping plants applied to the case study of Tirso 1 and Tirso 2 in Sardinia        |       |
| <i>Proclamazioni</i> |                              |                  |  | 16.10 |
| 9                    | MARANGON PAOLO               | Michele DE CARLI | Personal Comfort System (PCS) Technology: conceptualization and development of heating shoes for personalized thermal environment in offices                       | 16.20 |
| 10                   | MESHKATALSADAT FATEMEH       | Arturo LORENZONI | Integrated analysis of Renewable Energy Communities: energy and economic perspectives with battery simulation at Pod and Community levels                          |       |
| 11                   | MISSAGLIA GIANLUCA           | Angelo ZARRELLA  | Fault impact analysis of ventilation systems: a simulation-based case study of a residential building in Italy   |       |
| <i>Proclamazioni</i> |                              |                  |  | 17.05 |
| 12                   | MOHAMED OMAR MOHAMED MAHMOUD | Anna STOPPATO    | A study on energy efficiency and optimization of an industrial packaging company   | 17.15 |
| 13                   | MORENI SOFIA                 | Arturo LORENZONI | Feasibility study of an Agrivoltaic power plant in Marche region, Italy  |       |
| 14                   | PERDON MARCO                 | Davide DEL COL   | Development of a simulation model for a refrigerated transport unit working with CO <sub>2</sub> and other refrigerants  |       |
| <i>Proclamazioni</i> |                              |                  |  | 18.00 |

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

**Commissione:** Prof. Michele DE CARLI (Presidente)

Prof. Arturo LORENZONI, Ing. Nicolò MARCONATO, Prof. Anna STOPPATO, Prof. Angelo ZARRELLA

**Altri relatori:** Prof. Davide DEL COL, Prof. Giorgio PAVESI, Prof. Roberto TURRI

**Si avvisa la Commissione che la riunione preparatoria si terrà lo stesso giorno alle ore 13.30 nella saletta riunioni retrostante l'Aula Magna.**