

# **LAUREE MAGISTRALI IN MATERIALS ENGINEERING**

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

**8 ottobre 2026, ore 9.00**

## **Laureandi/e**

| <b>N.</b>            | <b>Laureando/a</b>             | <b>Relatore</b>   | <b>Titolo tesi</b>                                                                                                                               | <b>Ora</b> |
|----------------------|--------------------------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 1                    | BALDI ALESSIA                  | Carlo BOARETTI    | Nanocellulose-coated membranes and ion exchange polishing for sustainable water reuse in steel manufacturing                                     | 9.00       |
| 2                    | GRANDIS DIANA                  | Giovanna BRUSATIN | 3D printing of dECM hydrogels for in vitro cardiac tissue modelling                                                                              |            |
| 3                    | HAGHI POUR PARDIS              | Paolo COLOMBO     | Cold sintering of geopolymer brake pads                                                                                                          |            |
| 4                    | NAFISI ALI                     | Paolo COLOMBO     | DLP 3D-printing of Sol-Gel based silica-zirconia glass materials                                                                                 |            |
| <b>Proclamazioni</b> |                                |                   |                                                                                                                                                  | 10.00      |
| 5                    | PEREZ ORNELAS JAVIER ALEJANDRO | Carlo BOARETTI    | Activity screening of diverse catalysts for the alkaline hydrolysis of PET                                                                       | 10.10      |
| 6                    | RAHIMI ALIREZA                 | Elena COLUSSO     | Synthesis and characterization of gasochromic Mg- and Mo-modified WO <sub>3</sub> Sol-Gel thin films for hydrogen sensing                        |            |
| 7                    | REY AGUSTINA                   | Hamada ELSAYED    | Hierarchically porous TPMS $\beta$ -TCP scaffolds to overcome stiffness mismatch in bone regeneration                                            |            |
| <b>Proclamazioni</b> |                                |                   |                                                                                                                                                  | 10.55      |
| 8                    | ROSSI ALESSANDRO               | Giovanna BRUSATIN | Influence of drug loading strategies on release behaviour in melt-spun fibers                                                                    | 11.05      |
| 9                    | TLATOA PEREZ PAOLA BERENICE    | Sofia CATALUCCI   | Metrological assessment of dimensional stability, surface properties, and peel strength of PLA-based cards under different lamination conditions |            |
| 10                   | ZEN MARCO                      | Nicola TRIVELLIN  | Study and design of BESS for an existing photovoltaic system and peak-shaving strategies                                                         |            |
| <b>Proclamazioni</b> |                                |                   |                                                                                                                                                  | 11.50      |

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

**Commissione:** Prof. Paolo COLOMBO (Presidente)

Ing. Carlo BOARETTI, Prof. Giovanna BRUSATIN, Ing. Sofia CATALUCCI, Ing. Elena COLUSSO

**Altri relatori:** Ing. Hamada ELSAYED, 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.**