UNIVERSITÀ DI TRENTO
Dipartimento di Ingegneria Industriale

5 NOVEMBER 2026, 9:30 AM
SEMINAR ROOM - POLO FERRARI 2

This seminar explores research at the Laboratory of Alternative Sources and Power Processing (LAFAPE), University of São Paulo, Brazil, on **microgrid energy management and power converter control** for low-voltage grids and vehicle electrification.

Presenting results from a project funded by the São Paulo Research Foundation (FAPESP) and the development of a flexible experimental platform, it examines how unidirectional and bidirectional EV charging systems can both increase supraharmonic distortion and act as grid-friendly devices, improving power quality and grid reliability.



Speaker:
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Assistant Professor
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Modeling, Control and Coordination of Power Converters for Microgrids and Vehicle Electrification

DII SEMINAR



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