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WEBINAR: Artificial intelligence in Green Energy Management

14 October 2025 at 14.00 CET/15.00 EET
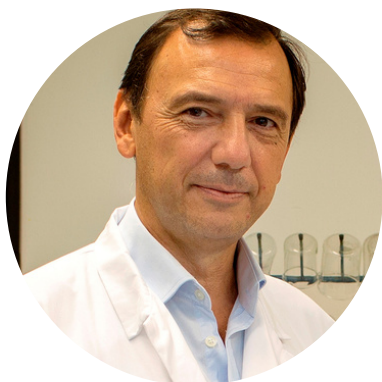
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Organizer: University of Milano-Bicocca

Description of the event:

This webinar will explore how Artificial Intelligence is transforming the management of renewable energy systems. Starting from global Net Zero scenarios, we will examine the challenges of integrating renewable sources into the grid—such as variability, storage, and stability—and how AI can provide innovative solutions through advanced forecasting, smart control, and deep learning models. Practical case studies on photovoltaic energy forecasting and smart building management will illustrate how intelligent systems can optimize efficiency, reduce costs, and support the transition towards a sustainable energy future.

Maurizio Acciarri is an Associate professor of Physics at UNIMIB. His research is mainly addressed to the study of photovoltaic cells and more generally to the physical aspects of energy efficiency and energy storage. In this area, he studied CO_2 capture from industrial fumes and use. The research activity is evidenced by more than 250 articles in international journals, by national or international projects in which he participated as unit manager, by 11 patents and by participation in many international conferences. Maurizio is the coordinator of the GEM (Green Energy Management) Summer School and is President of the international network SILKWAY", made up of universities, local and international stakeholders and partners from Europe and Central Asia.

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Co-funded by the European Union

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