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Introduction to renewable energy technology.

Introduction to the alternative and renewable technologies that today represent the way for addressing the most pressing global challenges of this century including sustainable economic and social development, poverty eradication, food production and security, health, climate protection, peace and security.

The breakthrough of PV grid and fuel parities

Alessandro will also introduce his vision on photovoltaics showing how this technology – that has recently reached one of the most important results in the electricity market: the realization of grid parity – represents today not only one of the keys for the clean generation of electricity but also the proof that renewables can guarantee in the future a big part of the energy that humanity will need.

Photovoltaic Systems

The lecture is on the main components of grid-connected photovoltaic plants such as photovoltaic modules and inverters. The lecture will also focus on the calculation of the energy collected by a solar system and of its productivity.