



Summer School on Energy Giacomo Ciamician



www.awareenergy.eu

The school on energy “Giacomo Ciamician”, founded in 2010 under the leadership of the University of Trieste, is a meeting place, where participants learn the fundamentals of the main energy technologies, and become aware of the complex technological, economical, and social issues that make energy such a formidable challenge, but also a source of many new opportunities.

We look for dynamic and smart people, willing to challenge themselves and to take on the challenges and opportunities that the world is now offering. The main target of the school are students near the end of their educational path, in particular master and doctoral students, as well as young professionals, young entrepreneurs. However, diversity is a value for the School, and applicants at all career stages are encouraged to apply.

The School is a five-day residential course, and covers the following topics:

- **Energy as a global issue.** In a series of lectures, we introduce the current state of the energy system, its relationship with other global issues, and the key trends and indicators; we then identify the system’s weak points from the technical, economical, and social perspective, and outline some of the possible solutions and future scenarios.
- **Energy systems.** This series of lectures provides an overview of the main energy sources.
- **Renewable energy sources and energy efficiency.** This series of lectures provides an overview of some of the main renewable energy sources.
- **Solar energy and storage.** Photovoltaics and storage are presented in detail as the main technologies that today are playing a pivotal role in the current evolution of the power sector.
- **Electrical systems and transport electrification.** As the energy balance shifts towards an increase in the use of electricity, the recent and foreseen evolution of the electricity dispatching and distribution systems is described, and the corresponding enabling technologies are presented – including the key role of the upcoming electrification of the car industry.

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WHEN

June 25th – 29th, 2018

WHERE

Hotel Kreuzbergpass
Sesto/Alta Pusteria (BZ)
Italy

INFO

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BOARD

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