New business models in the electric power sector

15 – 17 February 2023, Università degli Studi di Cagliari
Dipartimento di Ingegneria Elettrica ed Elettronica
Aula Mocci, edificio G, Piazza D'Armi - 09123 Cagliari

The Master Class consists of 3-days of intensive, interactive lectures by Dr. Sioshansi covering 8 topical areas in the electric power sector including:

- The fundamentals of the electric utility business models and their evolution to the present time.
- The transformation of the various parts of the utility sector value chain.
- The decentralisation & digitalization of end-use devices.
- Innovation & disruption at the "grid's edge" enabled be technological developments.
- Energy transition & climate change.
- Consumer migration to *prosumer, prosumager, nonsumer, flexumer* , and & "behind-the-meter" revolution.
- The emergence of new utility business models enabled by smart aggregation, electronic platforms, and distributed energy resources (DERs).
- Future of utilities; Utilities of the future and to apply the lessons learned.

These lectures are supplemented by 6 virtual presentations from invited guest speakers from Italy, the UK, Spain, Germany, Sweden, and the USA describing actual examples, applications, and innovative business models relevant to the topics of the lectures.

Agenda (indicative timetable)

Day 1 - Wed 15 Feb 9:00 am – 5:00 pm
Luca Lo Schiavo (ARERA) 12:30 -1:30 pm
Ellen Pellosniemi (Next Krafwerke) 1:30 - 2:30 pm

Day 2 - Thu 16 Feb 9:00 am – 6:00 pm
Carolina Francese (Piclo) 1:00-2:00 pm
David Robinson (Oxford institute for energy studies) 2:00-3:00 pm
Steve Barrager (TeMix Inc) 5:00-6:00 pm (8:00-9:00 am San Francisco time)

Day 3 - Fri 17 Feb 9:00 am – 3:00 pm
Sonny Strömberg (Emulate Energy) 1:00-2:00 pm

The attendees will get exposure to a wide range of issues on the economics, technology, and regulatory aspects of the rapidly evolving electric power sector.

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