

MONDAY 2016-07-11

13:00-14:00 Registration 14:00-14:15 *WELCOME to ISS2016* 14:15-16:00 *F. Granelli, Integration of Renewable Sources Within the Smart Grids*

-----16:00-16:30 Coffee Break-----16:30-18:15 *C. Rottondi, Privacy issues in the automatic metering infrastructure of Smart Grids* 18:45 Palazzo Mezzabarba : Welcome from the

Mayor of Pavia and tour of the city with the volunteers of Touring Club

TUESDAY 2016-07-12

8:30-9:00 Registration 9:00-10:45 P. Zanchetta, Why power electronics is the enabling technology for the future electrical energy supply grid converters (1/2) -----10:45-11:15 Coffee Break-----11:15-13:00 P. Zanchetta, Why power electronics is the enabling technology for the future electrical energy supply grid (2/2) -----13:00-14:15 Lunch Break-----14:15-16:00 M. I. Valla, Application of Multilevel current source inverters in renewable energies interface with the electric grid

-----16:00-16:30 Coffee Break-----16:30-18:30 Poster session

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WEDNESDAY 2016-07-13 8:30-9:00 Registration 9:00-10:45 G. Spagnuolo, Control and diagnosis of photovoltaic arrays

-----10:45-11:15 Coffee Break-----11:15-13:00 F. Zanellini, Smart grid and microgrids: the Italian technical and regulatory framework and real cases

-----13:00-14:15 Lunch Break-----14:15-16:00 *M. Liserre, Smart transformersbased hybrid microgrids* -----16:00-16:30 Coffee Break-----16:30-18:30 Poster session

20:30 Banquet in the city center

Registration available also on site. Regular fee: € 210 IEEE student member fee: € 200 Free accommodation for selected attendees.

THURSDAY 2016-07-14

8:30-9:00 Registration 9:00-10:45 J. Guerrero, New technologies and future challengies on microgrid research -----10:45-11:15 Coffee Break-----11:15-13:00 A. Monti, Hybrid AC/DC microgrids: A bridge to future energy distribution systems -----13:00-14:15 Lunch Break-----14:15-16:00 A. Monti, Real-time simulation and Hardware in the Loop in support to the design of advanced power system solutions -----16:00-16:30 Coffee Break-----

16:30-18:30 Poster session

FRIDAY 2016-07-15

7:30 Departure from Pavia to Savona by private bus

10:00 Arrival to Savona's campus microgrid infrastructure, courtesy of University of Savona (Stefano Bracco – DITEN (UNIGE))

-----13:00-14:00 Lunch Break-----

14:15 Departure from Savona to Pavia (by private bus arrival by 17:00)

For PhD students available up to 5 ECTS/CFR For Professionals chartered engineers 2 CFP are available for each half day attendance

www.labenunipv.wordpress.com/3ecs-seminars



RATIONALE

The topics of the course focus on Hybrid Microgrids, energy systems for powering small to medium power consumers in electric islands or connected to the grid. Such systems are important not only for developing countries looking for higher level of electrification, but also for the industrialized countries as engaged in the definition of future smart energy systems, powered by distributed sources.

The course is addressed not only to doctoral students, but also to all researchers interested in components, systems and controls for microgrids.

Presentations by renowned experts will be complemented by works in groups and a visit to the Campus Microgrid Infrastructure in Savona.

For selected attendees, accommodation at the guesthouse of palazzo Vistarino will be granted for free.

Scientific Committee:

- Norma Anglani
- Paolo Di Barba
- Lorenzo Favalli
- Giancarlo Ferrari Trecate
- Pericle Zanchetta

Contacts:

Norma Anglani, Project Leader Email: norma.anglani@unipv.it Skype: anglanin Secretariat: DIII, via Ferrata 5, 27100 Pavia

Tel: +39 0382 985201 Email:mariangela.rizzi@unipv.it



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Pavia, July 11 to 15, 2016 Palazzo Vistarino



University of Pavia ALMA MATER TICINENSIS

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