



Workshop on “Modeling, Analysis and Prediction of Energy Behaviour of Buildings”



Politecnico di Milano, Room Alpha, Building 24, via Camillo Golgi 40

November 13, 2017 | 10:00 – 13:00

Organized by Prof. Luca Ferrarini and Dr. Soroush Rastegarpour (Politecnico di Milano)

The workshop will focus on energy efficiency in buildings, with special attention to modeling, analysis and prediction of energy behavior, and will provide a platform for sharing recent applied research results, exchanging knowledge, building partnerships and opening new research lines. Presentations will be given by distinguished experts from Europe and Steer project’s members.

Focus Topics:

- Energy efficiency in buildings and in particular on medical centers
- Energy analysis tools
- Energy resources management systems
- Smart Buildings and Smart Grids

Workshop Program

9:50 – 10:00	Workshop introduction <i>Luca Ferrarini (Politecnico di Milano)</i>
10:00 - 10:25	Research projects on energy modelling: an energy service company’s perspective <i>Giacomo Intini (Zephyro)</i>
10:25 - 10:50	Sensitivity analysis of energy dynamic behaviour in residential buildings and medical centres <i>Luca Ferrarini (Politecnico di Milano)</i>
10:50 - 11:15	Selected models for energy efficient hospital buildings <i>Christos Koulamas (ISI – ATHINA Research Centre)</i>
11:15 – 11:30	Coffee break
11:30 - 11:55	Integrated energy resources management in a smart building <i>Soroush Rastegarpour (Politecnico di Milano)</i>
11:55 - 12:20	Energy consumption modelling by machine learning from daily activity-metering in a hospital <i>Jorge Casillas (University of Granada)</i>
12:20 – 12:45	Energy optimization with aggregated smart buildings <i>Alireza Dehghani Pilehvarani (Politecnico di Milano)</i>
12:45 – 13:00	Concluding remarks <i>Daniele Liberanome (Zephyro)</i>



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