



**POLITECNICO
MILANO 1863**

DIPARTIMENTO DI ENERGIA



Department of Excellence 2018-2022

ENERGY FOR MOTION SEMINAR 2019

22 November 2019, 9:00-16:00

Dipartimento di Energia - Politecnico di Milano
Aula Carassa e Dadda - via Lambruschini 4, Milano

www.energia.polimi.it

KEYNOTES:

08:30	09:00	Registration of participants
09:00	09:15	Fabio Inzoli - Welcome
09:15	09:40	Hubert Gasteiger - <i>Technological, Economical and Ecological Constraints for Electromobility</i>
09:40	10:05	Francesco Venturini - <i>Enel X for eMobility</i>
10:05	10:30	Stefano Passerini - <i>Towards the Realization of Sustainable High-Performance Li-Ion Batteries: Aqueous Processing of Cobalt-free High-Energy Cathodes</i>
10:30	11:00	Coffee break
11:00	11:25	Paolo Pollesel - <i>From waste and biomass to advanced biofuels</i>
11:25	11:50	Andreas Züttel - <i>Energy turnaround as an option!</i>
11:50	12:15	Aleksey Yezerets - <i>Power of choice in commercial vehicle applications</i>
12:15	12:45	Discussion
12:45	14:00	Lunch

THE ENERGY FOR MOTION PROJECT:

14:00	14:10	Alessandra Beretta - The Energy for motion project <i>PhD projects</i>
14:10	14:30	<ul style="list-style-type: none"> ▪ Matteo Romano, Carlo Visconti <i>New fuels from biogas and CO₂-rich natural gas</i> ▪ Maurizio Delfanti, Marco Merlo, Davide Falabretti, Alberto Berizzi <i>Electricity markets in the presence of RES, energy storage systems and e.mobility charging processes</i> ▪ Enrico Tronconi, Angelo Onorati <i>Development of innovative cellular substrates for advanced exhaust after-treatment systems</i> ▪ Marco Astolfi, Andrea Spinelli <i>Mini-ORC for heat recovery from internal combustion engines</i>
14:30	15:00	Discussion with the Advisory Board <i>PhD projects</i>
15:00	15:20	<ul style="list-style-type: none"> ▪ Andrea Baricci, Stefano De Antonellis, Paolo Gaetani <i>Innovative balance of plant for fuel cell-based power train</i> ▪ Sonia Leva, Michela Longo, Roberto Perini <i>Smart Charging for Electric Vehicles</i> ▪ Piero Baraldi, Francesco Di Maio, Enrico Zio <i>Resilience of electrical power systems with electrified transportation: a system-of-systems approach</i> ▪ Emanuela Colombo, Matteo Vincenzo Rocco <i>Assessment of sector-coupling synergies between private road passenger vehicles and energy sector in decarbonization pathways</i>
15:20	15:50	Discussion with the Advisory Board
15:50	16:00	Fabio Inzoli, Alessandra Beretta - <i>The electrochemical energy storage group</i>
16:00		Fabio Inzoli - Closure