

Workshop on ELECTROMOBILITY

Bologna, March 19th 2014

Faculty of Engineering

The workshop will bring together a number of players involved or potentially interested in the EU electromobility (EM) sector: **industry, research centers and policymakers.**



The aim will be discussing:

- EM scenarios and policies to sustain them. The EU vision
- How EM can be enhanced, and bottlenecks
- New techniques to achieve higher power density and efficiency
- Power electronics solutions
- Eco-design of electric vehicles

Faculty of Engineering, University of Bologna - Viale del Risorgimento 2, Bologna - Italy
More information and pre-registration (required) can be found on the workshop website:
www.electromobility.ing.unibo.it



The EU FP7 Synemo project will also be presented at the workshop. The Synemo project will develop innovative, scalable, synchronous reluctance machine achieving higher power density of permanent magnet machines, without or minimally using rare earth magnets.



graphics design: Cristina Saracino

The role of synchronous reluctance e-motor technology (the SyRNEMO project and its first outcome)

PRELIMINARY PROGRAM

www.electromobility.ing.unibo.it

Hour	Speaker	Title
1100	Dean	Welcome
1110	Fondazione per lo sviluppo sostenibile	EU mobility policies, the role of electromobility
1140	Centro Ricerche Fiat	Vehicle and powertrain electrification: opportunities and challenges
1200	Thyssen	Application Specific Product Development at TKs E-Mobility Center Drives
1220	Austrian Institute of Technology GmbH	The Synemo project: "main targets, macroactivities and expected results"
1240	Vrije University Bruxelles	Ecodesign with focus on e-components (the case of the traction e-motor)
1300	Fundación TECNALIA	Traction e-motors: feasibility and scalability approach for different size EVs and their applicability to HEVs
1320	LUNCH	
1430	Centro Ricerche Fiat Spa	Traction e-drive specifications for compact cars and related testing and validation requirements
1450	AVL List GmbH	Traction e-drive efficiency optimization based on driving cycles
1510	Leibniz University of Hannover	Synchronous reluctance e-motor rotor design: preliminary considerations
1530	ThieneDrives GmbH	Synchronous reluctance e-motor based traction e-drives: main technology challenges
1550	University of Bologna	Insulation issues in traction-motors
1610	ALL	Round table questions and answers

