



Industrial Workshop in Vienna

„Energy Efficiency Management for Vehicles and Machines”

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Wednesday, 20th May 2015

AIT, Tech Gate, Donau-City-Strasse 1, 1220 Wien, SkyStage/ 19F

09:00 – 09:30	Registration
09:30 – 09:40	Opening remarks: Coordinator Dr. Bert PLUYMERS, KU Leuven, Belgium
09:40 – 10:30	Energy Efficiency in Manufacturing Prof. Reginaldo COELHO, Univ. São Paulo, Brazil
10:30 – 11:00	Battery Electric Vehicles – Need for Powerful and Energy Efficient Energy Storage System Prof. Noshin OMAR, Vrije Universiteit Brussel, Belgium
11:00 – 11:30	Coffee Break (networking)
11:30 – 12:00	Design Space Exploration – A Game with at Least 4 Levels Dr. Mike NICOLAI, Siemens (SISW), Belgium
12:00 – 12:30	Lithium Ion Batteries for the Automotive Application Dr. Klaus GRIESHOFFER- Magna Steyr Battery Systems, Austria
12:30 – 14:00	Lunch + Poster Session (networking)
14:00 – 14:30	Towards a Green Manufacturing and Energy Efficient Processes Within the Textile Industry Field Uwe MERKLEIN, 3T TextilTechnologieTransfer GmbH, Germany
14:30 – 15:00	Application and Simulation of Phase Change Materials in Modern Cooling System Architectures Alexander LICHTENBERGER, Magna Powertrain, Austria
15:00 – 15:30	Coffee Break (networking)
15:30 – 16:00	Battery Management System – a New Approach for Improved Energy Efficiency Prof. Branimir BANOVIĆ, IEES-BAS, Bulgaria
16:00 – 16:30	Specification of Cooling Systems for Electric Vehicle Powertrains with Multi-Domain Physical Modelling and Simulation Johannes GRAGGER and Dr. Dragan ŠIMIĆ, AIT Austrian Institute of Technology, Mobility Department, Electric Drive Technologies, Austria
16:30 – 16:45	Closing remarks Helmut OBERGUGGENBERGER, AIT Austrian Institute of Technology, Mobility Department, Electric Drive Technologies, Austria

As a side panel to the EMVeM workshop there will be an international workshop on „Solid Lithium Ion Conductors“, featuring a running basic research project funded by the Austrian government and several international experts discussing their work in this area. EMVeM workshop participants are welcome to listen in at no extra charge. For further details, please contact jacqueline.winter@ait.ac.at.