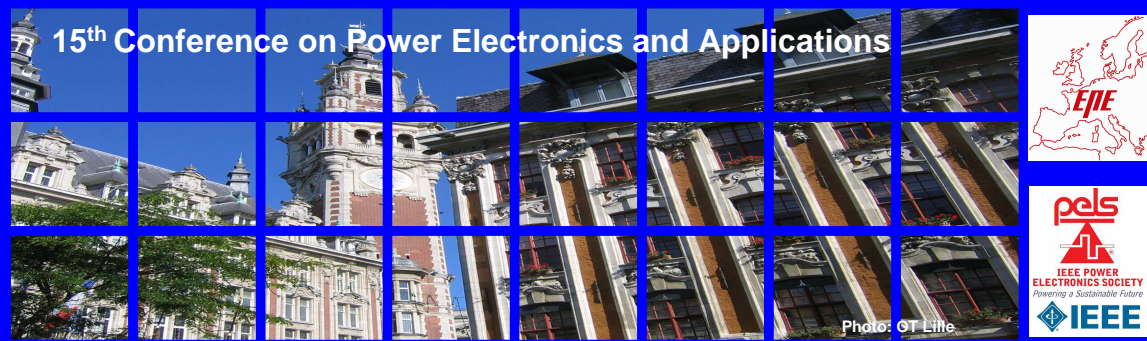


EPE '13
ECCE Europe

3-5 Sept. 2013
Lille, FRANCE

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“Railway Traction & Infrastructure”

Special Event within EPE

Thursday 5th of September

Keynote:

Technical solutions and development permitted by power electronics applied to the Energy transition in French Railways, Christian COURTOIS, SNCF INNOVATION & RECHERCHE,

Special Sessions on Railways

Industrial Session Railways

Power Electronics: nothing for the future goes without high-power Wide Band Gap semi-conductors! Michel MERMET, Mathieu BANCELIN, Dominique JAMET, Alstom Transport

Permanent magnets Synchronous Machines for transportation systems, Bernard PLAQUIN, Bombardier Transport,

Technical evolutions of subway VAL from 1983 to 2013, Maxime VAN ROOSE, Transpole

Special session collaboration industry - academy

Different models of an energy storage subsystem for a hybrid locomotive, Julien POUGET & al., SNCF & L2EP

Dynamical and static models of the traction system of an automatic subway, Clément MAYET & al., Siemens Mobility & L2EP

Energetic Macroscopic Representation of a Hybrid Electric Locomotive and experimental characterization of Nickel-Cadmium battery cells, Jérôme BAERT & al., Alstom & FEMTO-ST

Dialogue session including prominent research papers on the latest developments of Power Electronics, enabling technology for railways.

Panel Discussion: A prospective view on the development of the innovative railway applications and role of Power Electronics as enabling technology

Technical visit of the maintenance center of the automatic subway VAL (Transpole)

