

New trends in drives and power converters Japan – Catalan Workshop



Barcelona, 14th November 2017

Aula Capella

Escola Tècnica Superior d'Enginyeria Industrial de Barcelona,
Universitat Politècnica de Catalunya.

UPC BarcelonaTech, Av. Diagonal 647, Barcelona



8:30	Register
9:00	Welcome, Neus Cónsul (ETSEIB-UPC Director)
9:05	Opening CITCEA-UPC, Daniel Montesinos-Miracle (CITCEA-UPC Director)
9:15	Opening Shizuoka Univ., Toshihiko Noguchi (Shizuoka University Professor)
9:30	New trends in European electricity markets, EMPOWER and INVADE, Pol Olivella (CITCEA-UPC)
9:50	Simplification of Bearingless Motor Drive Junichi Asama (Shizuoka University)
10:10	Source Power Factor Improvement for an Isolated Three-Phase AC/DC Converter using a Soft-Switching Technique Takumi Hamaguchi (Nagoya Institute of Technology)
10:30	Isolated Three-Phase AC/DC Converter for Input Medium Voltage Application Kazuma Suzuki (Nagoya Institute of Technology)
10:50	Pure Sinusoidal Output Current-Source Inverter Using Inductor Modules Yosuke Iwata (Shizuoka University)
11:10	Coffee break
11:30	Magnetic Bearing Drive System Using Zero-Phase Current Yusuke Fujii (Shizuoka University)
11:50	Development of High-Efficiency Permanent Magnet Synchronous Generator for Motorcycle Application Yuki Kurebayashi (Shizuoka University)
12:10	Dual-Port Output Control of Isolated DC/DC Converter Focusing on Duty Cycle and Frequency of Primary Inverter Kazuki Shimizu (Shizuoka University)
12:30	Space Vector Modulation of Dual Inverter with Battery and Capacitor across DC Buses Yoshiaki Ohto (Shizuoka University)
12:50	Current-Doubler Based Multiport DC/DC Converter with Galvanic Isolation Yoshinori Matsushita (Shizuoka University)
13:10	Development of High-Speed and High-Voltage Pulse Generator for NOx Decomposition Plasma Reactor Hafidz Elmana (Shizuoka University)
13:30	Vector Control and Experimental Verification of Magnetically Modulated Motor for HEV Application Sawanth Krishna Machavolu (Shizuoka University)
13:50	Closure

