

## List of keywords for EPE-PEMC 2010

The 14<sup>th</sup> International Power Electronics and Motion Control Conference  
6-8 September 2010 – Ohrid, Macedonia

### List of Keywords:

Accelerators	Distributed power	High speed drive
AC machine	Distribution of electrical energy	High voltage IC's
AC/AC converter	Doubly fed induction motor	High Voltage power converters
AC-cable	Drive	Highly dynamic drive
Acoustic noise	Driver assistant systems	High temperature electronics
Active damping	DSP	HVDC
Active filter	Dynamic Voltage Restorer (DVR)	Hybrid electric vehicle (HEV)
Active thermal control	Education methodology	Hybrid power integration
Actuator	Education tool	IGBT
Adaptive control	Efficiency	IGCT
Adjustable speed drive	Electrical Drive	Induction heating
Adjustable speed generation system	Electrical machine	Induction motor
Aerospace	Electric vehicle	Industrial application
Airplane	Electroactive materials	Industrial communications
Alternative energy	Electronic ballast	Industrial information systems
Asynchronous motor	Electrostatic actuator	Insulation
Automotive application	Embarked networks	Integrated adjustable speed drive
Automotive component	EMC/EMI	Intelligent drive
Automotive electronics	Emergency power	Interleaved Converters
Automotive lighting systems	Emerging technology	IPM (Intelligent Power Module)
Autotuning	Emerging topology	JFET
Battery charger	Emitter turn-off thyristor (ETO)	Land transport
Battery management systems (BMS)	Energy Control Unit (ECU)	Life Cycle Analysis (LCA)
Bipolar device	Energy converters for FCEV	Linear drive
Brushless drive	Energy converters for HEV	Load sharing control
Bus bar	Energy storage	Locomotive
Component for measurements	Energy system management	LTT (Light Triggered Thyristor)
Control methods for electrical systems	Environment	Machine tool drive
Control of Drive	Estimation technique	Magnetic device
Converter circuit	Excitation system	Magnetic bearings
Converter control	Expert system	Maintenance
Converter machine interactions	FACTS	Marine
Cooling	Fast recovery diode	Matrix converter
Current limiter	Fault handling strategy	Measurement
Current source inverter (CSI)	Fieldbus	Mechatronics
Data transmission	Flicker	Microwaves
DC machine	Flux model	Mission profile
DC power supply	Flywheel	Modelling
DC-cable	Flywheel system	Modulation strategy
Design	Free wheel diode (FWD)	Monolithic power integration
Device	Fuel cell electric vehicle (FCEV)	MOS controlled device
Device application	Fuel cell system	MOS device
Device characterisation	Fuzzy control	MOSFET
Device modelling	GaAs-device	Motion control
Diagnostics	Generation of electrical energy	Multi axle drives
Diamond	Generator excitation system	Multilevel converters
Direct power control	Harmonics	Multi-machine system
	High frequency power converter	Multiphase drive

Direct torque and flux control	High power discrete device	Nanotechnology
Discrete power device	High Power Density Systems	Neural network
Neuronal control	Reliability	Sustainable system/technology
New switching devices	Reluctance drive	SVC Static Var Compensator
Noise	Renewable energy systems	Switched reluctance drive
Non-linear control	Resonant converter	Switched-mode power supply
Non-standard electrical machine	Resonant-mode power supply	Synchronous motor
Nuclear fusion	Reverse recovery	System integration
On-board network	Road vehicle	Systems engineering
Optimal control	Robotics	Teaching
Other semiconductor device	Robust control	Test bench
Packaging	Robustness	Thermal design
Parallel operation	Safety	Thermal stress
Partial discharge	Self-sensing control	Three-phase system
Particle accelerator	Semiconductor device	Thyristor
Passive component	Semiconductor material	Traction application
Passive component integration	Sensor	Transducer
Passive filter	Sensorless control	Transformer
Permanent magnet motor	Servo-drive	Transmission of electrical energy
Photovoltaic	Ship	Transistor
Physics research	SiC-device	Tranversal flux motor
Piezo actuators	Signal processing	Unified Power Flow Controller (UPFC)
Power conditioning	Silicon Carbide	Uninterruptible Power Supply (UPS)
Power converters for EV	Simulation	User application experience
Power converters for FCEV	Single phase system	Variable speed drive
Power converters for HEV	Sliding mode control	Vector control
Power cycling	Smart Power	Virtual instrument
Power factor correction	SMES (Superconducting Magnetic Energy Storage)	Voltage Regulator Modules
Power integrated circuit	Soft switching	Voltage Sag Compensators
Power management	Software	Voltage Source Converter (VSC)
Power Quality	Software for measurements	Voltage Source Inverters (VSI)
Power semiconductor device	SOI-device	Water transport
Power supply	Solar Cell System	Wave energy
Power transmission	Space	Wind energy
Prognosis	Standard	Windgenerator systems
Protection device	Standardization	Wireless power transmission
Pulsed power	Static Synchronous Compensator (STATCOM)	Wireless sensors
Pulsed power converter	Stepping motor drive	ZCS converters
Pulse Width Modulation (PWM)	Supercapacitor	ZCZVS Converter
Rail vehicle	Super Junction Devices (CoolMOS)	ZVS converters
Real time processing	Surge arrestor	
Real time simulation		
Regenerative power		
Regulation		