

## List of Keywords

AC machines  
 Active filters  
 Actuators  
 Adaptive control  
 Adjustable speed drives  
 Adjustable speed generation systems  
 Aeroplanes  
 Automotive components  
 Automotive applications  
 Battery charger  
 Battery management  
 Bipolar device  
 Brushless drives  
 Components for measurements  
 Control  
 Converter circuits  
 Converter control  
 Converter machine interactions  
 Data transmission  
 DC machines  
 DC power supplies  
 Discrete power devices  
 Design  
 Device applications  
 Device characterisation  
 Device modelling  
 Devices  
 Diagnosis  
 Diagnostics  
 Distribution of electrical energy  
 Drives  
 Drives for HEV  
 DSP  
 Education  
 Education methodology  
 Education tools  
 Efficiency  
 Electrical bicycles  
 Electric vehicles  
 Electrical machines  
 Electronic Ballasts  
 Electrostatic actuators  
 EMC/EMI  
 Emerging technologies  
 Emerging topologies  
 EMF  
 Energy Control Unit  
 Energy system management  
 Estimation techniques  
 Expert Systems  
 FACTS  
 Field Oriented control  
 Fieldbus  
 Flux model  
 Fuel Cell Systems  
 Fuel Cells Vehicles  
 Fuzzy logic  
 Generation of electrical energy  
 Generator excitation systems  
 Harmonics  
 High frequency power converters  
 High power discrete devices  
 Highly dynamic drives  
 HVDC  
 Hybrid power integration  
 Hybrid vehicles  
 Induction motors  
 Industrial applications  
 Integrated adjustable speed drives  
 Intelligent drives  
 IPM (Intelligent Power Modules)  
 Linear drives  
 Locomotives  
 Machine tool drives  
 Magnetic Devices  
 Matrix converters  
 Measurements  
 Mechatronics  
 Modelling  
 Modulation strategies  
 Monolithic power integration  
 MOS device  
 Motion control  
 Multilevel converters  
 Neural networks  
 New devices  
 Noise acoustical and electric-magnetical  
 Packaging  
 Passive components  
 Permanent magnet motors  
 Piezo actuators  
 Power conditioning  
 Power converters for HEV  
 Power factor correction  
 Power Integrated Circuits  
 Power Quality  
 Power semiconductor devices  
 Power supplies  
 Power transmission  
 Real time processing  
 Real time simulation  
 Reliability  
 Reluctance drives  
 Renewable energy systems  
 Resonant converters  
 Resonant-mode power supplies  
 Robotics  
 Semiconductor devices  
 Semiconductor materials  
 Sensorless control  
 Sensorless drives  
 Sensors  
 Servo drives  
 Ships  
 Silicon  
 Silicon Carbide  
 Simulation  
 Single phase systems  
 Sliding mode control  
 Smart Power  
 SMES (Superconducting Magnetic Energy Storage)  
 Soft switching  
 Software  
 Software for measurements  
 Solar Cell Systems  
 Stepping drives  
 SVC Static Var Compensator  
 SVG Static Var Generator  
 Switched Reluctance drives  
 Switched-mode power supplies  
 System integration  
 Systems engineering  
 Teaching  
 Test bench  
 Thermal design  
 Three phase systems  
 Traction  
 Transducers  
 Transmission of electrical energy  
 Transversal flux motors  
 Uninterruptible power supplies (UPS)  
 User application experiences  
 Variable speed drives  
 Vector control  
 Virtual instruments  
 ZCS converters  
 ZVS converters