

I. Microgrid and Power Management

Number	R&D Achievement Name	Applicable Industry	Executive Unit	Contact Person	Extension	Remarks
I001	The Design of 5KW Inverter for Renewable Energy System	Renewable Energy Generation System & Power Control Industry, Motor Drive and Energy-Saving Industry	Nuclear Instrumentation Division	Chang, Yung-Ruei	6380	
I002	Power Control in Microgrid - Energy Manage and Control Technology	Renewable Energies, Environment and Energies, Microgrid Industries	Nuclear Instrumentation Division	Chang, Yung-Ruei	6380	
I003	Power Control in Microgrid-Load Prediction of Energy Manage Technology	Renewable Energies, Environment and Energies, Microgrid Industries	Nuclear Instrumentation Division	Chang, Yung-Ruei	6380	
I004	Low Voltage Fuel Cell Power Conditioning System	Fuel Cell	Nuclear Instrumentation Division	Chang, Yung-Ruei	6380,6385	
I005	Technology of Microgrid Power System Controlling-Intelligent Monitoring and Operating of Power System	Environment and Electric Energy	Nuclear Instrumentation Division	Chan, Chen-Min	6381	

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I006	The Control of Microgrid Technology - H-Bridge Cascaded Multi-Level Battery Energy Storage System	Environment and Electric Energy	Nuclear Instrumentation Division	Cheng, Chin-Chan	6378	
I007	The Control of Microgrid Technology - The Design Procedure of Controller for Three-Phase Inverter System	Renewable Energy、Environment & Energy、and Microgrid Industries	Nuclear Instrumentation Division	Cheng, Chin-Chan	6378	
I008	Energy Management Control Strategy with Smooth Microgrid Power	Energy Management System for Grid-tied and Island Mode Applied to Microgrid	Nuclear Instrumentation Division	Ho, Yuan-Hsiang	6382	
I009	Energy Management Control of Disaster Prevented Microgrid	Renewable Energy, Environment and Energy, Micro Power Grid and Other Industries	Nuclear Instrumentation Division	Ho, Yuan-Hsiang	6382	

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I010	Multi-Agent Platform Technology for Power Equipment with Autonomous Capability on Microgrid	Information and Communication Technology, Environment and Energy and Other Industries	Nuclear Instrumentation Division	Hsu, Chong-Cheng	6305	
I011	Voltage Stabilization and Frequency Regulation Technology for Microgrid	Renewable Energies, Environment and Energies, Microgrid Industries	Nuclear Instrumentation Division	Lee, Yih-Der	6324	
I012	Plug and Play Energy Operating System	Information and Communication Technology, Environment and Energy and Other Industries	Nuclear Instrumentation Division	Hsiao, Hsueh-Wei	6283	