

# Schedule at a Glance

## Saturday, September 19, 2009

Time/Room	Poolside Foyer	Bayshore Ballroom	Bayshore Foyer	City Foyer	San Martin/San Simeon	San Carlos/San Juan	Carmel/Monterey	San Jose/Santa Clara	Gateway Foyer	Cedar	Pine Gateway	Fir Ballroom	Oak
2:00pm - 5:00pm	Registration												

## Sunday, September 20, 2009

Time/Room	Poolside Foyer	Bayshore Ballroom	Bayshore Foyer	City Foyer	San Martin/San Simeon	San Carlos/San Juan	Carmel/Monterey	San Jose/Santa Clara	Gateway Foyer	Cedar	Pine Gateway	Fir Ballroom	Oak
7:00am - 7:30pm	Registration												
8:30am - 12:00pm				Break at 10:15	T1-3 Sensorless Drives with PM Synchronous Machines	T1-4 Ocean Wave Energy: Fundamentals, Challenges, and Opportunities	T1-2 Advanced Thermal Management Materials for Energy Conversion	T1-1 Fundamentals and Application Engineering of Electrochemical Capacitors					
12:00pm - 1:30pm					Lunch	On Own							
1:30pm - 5:00pm				Break at 3:15	T2-4 Grid Converters for PV and WT Systems	T2-3 Application-Based Design of Large PM Machines and Associated Power Conversion Systems	T2-2 High Power Variable Speed Drives: Performance Issues, Application Guide, and Network Studies	T2-1 EMI Causes, Measurement, and Reduction Techniques for Switch-Mode Power Converters					
5:00pm - 7:00pm										Opening	Reception	Located in Gateway Ballroom	

## Monday, September 21, 2009

Time/Room	Poolside Foyer	Bayshore Ballroom	Bayshore Foyer	City Foyer	San Martin/San Simeon	San Carlos/San Juan	Carmel/Monterey	San Jose/Santa Clara	Gateway Foyer	Cedar	Pine Gateway	Fir Ballroom	Oak
7:00am - 6:00pm	Registration												
8:00am - 10:15pm											Plenary Session		
10:15am - 10:45pm				Break					Break				
10:45am - 12:00pm					S2-5: Inverter PWM and Control Techniques	S2-6: Wide-Bandgap Semiconductors and Applications	S2-4: dc-dc Converters for Distributed Generation Systems	S2-3: Inverters for Solar Energy Systems		S2-1: Inverter Control	S2-2: dc-dc Converter Topologies	S2-7: PM Machines: Design, Analysis, and Optimization	S2-8: Induction Motor Drives
12:00pm - 1:30pm					Lunch	On Own							
1:30pm - 3:15pm			Poster Session P3-1: dc-dc Converters, P3-2: Resonant and Soft-Switched Converters, Poster Session P3-3: Inverters and Rectifiers, P3-4: Components, Materials, and Related Topics, Dessert & Coffee						Poster Session P3-5: Machines: Modeling, Analysis, Design and Application, P3-6: Solar and Wind Energy, P3-7: Applications of Power Electronics and Drives, P3-8: Power Quality, Power Systems, and Related Topics Dessert & Coffee				
3:20pm - 5:00pm					S4-5: Three-Phase Rectifiers	S4-6: Converter Thermal and Protection Issues	S4-4: Power Converters for Transportation Applications	S4-3: Power Electronics in Renewable Energy Systems		S4-1: Power Converter Modeling and Control	S4-2: Resonant and Soft-Switching Converters	S4-7: Induction Machines	S4-8: AC Machine Protection and Control Issues
5:00pm - 7:00pm		Expo & Snacks											

# Schedule at a Glance

Tuesday, September 22, 2009

Time/Room	Poolside Foyer	Bayshore Ballroom	Bayshore Foyer	City Foyer	San Martin/San Simeon	San Carlos/San Juan	Carmel/Monterey	San Jose/Santa Clara	Gateway Foyer	Cedar	Pine Gateway	Fir Ballroom	Oak
7:00am - 7:30pm	Registration												
7:00am - 8:30am					Industry	Tour to	BAE Systems	(offsite)					
8:00am - 10:10am					S5-5a: Utility Converter Power Quality Issues	S5-6a: Wide-Bandgap Semiconductors and Applications	S5-4a: Hybrid Energy Storage Systems	S5-3a: Power Converters for Wind Energy Systems		S5-1a: Rectifiers and Power Quality Issues	S5-2a: Advances in dc-dc Converters	S5-7a: Special Machines	S5-8a: Induction Motor Drive Control Issues
10:10am - 10:45am				Break					Break				
10:45am - 12:00pm					S5-5b: Power Converter Drive Techniques	S5-6b: EMI Suppression Techniques	S5-4b: Hybrid Energy Storage Systems	S5-3b: Wind Energy Systems		S5-1b: Three-Phase Rectifiers	S5-2b: Advances in dc-dc Converters	S5-7b: Special Machines	S5-8b: Machine Drive Sensor and Control Issues
12:00pm - 1:30pm		Lunch											
12:00pm - 7:00pm		Expo											
7:00pm - 9:00pm										Rap Session 1 Venturing the Smart Grid	Rap Session 2 Advanced Transportation Challenges	Rap Session 3 The Emerging Growth of Green Loads	

Wednesday, September 23, 2009

Time/Room	Poolside Foyer	Bayshore Ballroom	Bayshore Foyer	City Foyer	San Martin/San Simeon	San Carlos/San Juan	Carmel/Monterey	San Jose/Santa Clara	Gateway Foyer	Cedar	Pine Gateway	Fir Ballroom	Oak
7:00am - 7:00pm	Registration												
8:30am - 10:10am					S6-5a: DC-DC Converters	S6-6a: Converter Magnetic Components	S6-4a: Transportation and Industrial Applications	S6-3a: Energy Storage Technology		S6-1a: Inverter Power Quality and Control	S6-2a: High-Performance dc-dc Converters	S6-7a: Machine Losses and Torque Ripple	S6-8a: Sensorless Control of PM Machine Drives
10:10am - 10:45am				Break					Break				
10:45am - 12:00pm					S6-5b: Lighting Analysis and Power Electronics Control	S6-6b: Converter Magnetic Components	S6-4b: Transportation and Industrial Applications	S6-3b: Distributed Energy Resources and Systems		S6-1b: Multi-Level Inverters	S6-2b: Soft-Switched dc-dc Converters	S6-7b: Actuator Analysis and Control	S6-8b: Sensorless Control of Drives
12:00pm - 3:15pm		Lunch											
12:00pm - 2:00pm		Expo											
12:30pm - 2:00pm					Industry	Tour to VTA	(offsite)						
1:30pm - 3:10pm					S7-5: Reliability and Diagnostics	S7-6: Wide-Bandgap Semiconductors and Applications	S7-4: Power Systems and Utility Applications	S7-3: Converters for Renewable Energy Systems		S7-1: Multilevel Inverters	S7-2: Advances in dc-dc Converters	S7-7: Machine Condition Monitoring	S7-8: PM Machine Control and Suspension
3:15pm - 5:00pm			Poster Session P8-1: dc-dc Converters and Lighting, P8-2: Modeling and Control of Power Electronics, Session P8-3: ac-ac Conversion and High-Power Techniques, P8-4: Reliability, Diagnostics, Modeling and Analysis Dessert & Coffee						Poster Session P8-5: Drives and Thermal Considerations, P8-6: Renewable and Alternative Energy, P8-7: Applications of Power Electronics and Drives, P8-8: PM Machines, Linear Machines and Generators Dessert & Coffee				
7:00pm - 9:00pm										Banquet	(located in Gateway	Ballroom)	

Thursday, September 24, 2009

Time / Room	Poolside Foyer	Bayshore Ballroom	Bayshore Foyer	City Foyer	San Martin / San Simeon	San Carlos / San Juan	Carmel / Monterey	San Jose / Santa Clara	Gateway Foyer	Cedar	Pine Gateway	Fir Ballroom	Oak
7:00am - 3:00pm	Registration												
8:30am - 10:10am					S9-5a: Modeling, Design and Control Techniques	S9-6a: EMI Analysis and Suppression Techniques	S9-4a: Distributed Generation and Utility Applications	S9-3a: Solar Photovoltaic Systems		S9-1a: ac-ac Converters and Applications	S9-2a: Digital Control of dc-dc Converters	S9-7a: PM Machine Noise, Vibration and Suspension	S9-8a: Motor Drive Applications and Fault Modes
10:10am - 10:45am				Break					Break				
10:45am - 12:00pm					S9-5b: Surface PM Machines and Drives	S9-6b: EMI Analysis and Suppression	S9-4b: Distributed Generation and Utility Applications	S9-3b: Energy Harvesting		S9-1b: Switched-Capacitor Converters	S9-2b: Digital Control of dc-dc Converters	S9-7b: PM Generator Applications	Session S9-8b: Motor Drive Design and Control Issues
12:00pm - 2:00pm		Awards Lunch											
2:00pm - 3:15pm					S10-5a: Single-Phase Rectifiers	S10-6a: Power Semiconductors and ICs	S10-4a: Grid-Connected Converter Applications	S10-3a: Wave Energy Conversion		S10-1a: Resonant and Z-Source Inverters	S10-2a: Integrated dc-dc Converters	S10-7a: Fractional-Slot Winding PM Machines	S10-8a: Sensorless Control of Drives
3:15pm - 3:45pm				Break					Break				
3:45pm - 5:00pm					S10-5b: Plug-in Vehicle Utility Interface	S10-6b: Power Semiconductors and ICs	S10-4b: Grid-Connected Converter Modeling and Control	S10-3b: Power Converters for Solar Energy Systems		S10-1b: Resonant and Z-Source Inverters	S10-2b: Integrated dc-dc Converters	S10-7b: Machine Design and Analysis Techniques	S10-8b: Sensorless Control of Drives

