

## Grupos de apoyo al ciep '08

<p>* Leader's Team ** UNIVAC students</p> <p>Coordinador de actividades: M.C. Alfredo González Ortega</p>	<p><b>"Dream Team"</b> * Fabiola cruz - Rodolfo A. Vargas - Saúl González - Ma. del Carmen Juárez</p>	<p><b>"Elite Team"</b> * Ma. Elena Campos - Edwin A. Moreno - Vicente A. Solano - Aldo M. Hernández</p>	<p><b>"Excellence Team"</b> * Wendy K. Ley - Irán Loeza - Javier A. Estrada - Cornelio Morales</p>	<p><b>"Premier Team"</b> * Efraín dueñas - Juan C. Vilchis - Dante D. Mora - Adriana Aguilera</p>	<p><b>"Majestic Team"</b> * Flor de M. Silva - Hiram Morales - Vicente Solano - Gabriel Beltrán</p>	<p><b>"Golden Team"</b> * Víctor Olivares - Mario A. Juárez - Marco A. Rodríguez - Esmeralda Calixto**</p>
	<p><b>"Magic Team"</b> * Efrén Flores - Juan C. Yris - Alejandro Vázquez - Joaquín Ventura</p>	<p><b>"Colombian Team"</b> * Adriana Aguilera - Alberto M. Beltrán - Juan F. Aguilera - Jorge I. Hidalgo</p>	<p><b>"Enthusiastic Team"</b> * José Cervantes - Ma. del Carmen Juárez - Juan C. Vega - Gabriel Calderón</p>	<p><b>"Prodigious Team"</b> * Leobardo Hernández - Iván Alcalá - José A. Olmos - Yobana I. Hdz**</p>	<p><b>"Remix Team"</b> * Sandra P. Camacho - Enrique Martínez - Denis A. Mora - Esmeralda Calixto**</p>	

	<b>Schedule</b>		
Sunday 24/08/08	<b>TUTORIAL</b>		
	1 Power Electronics and SPICE Simulation", Muhammad Rashid, University of Florida, USA	8:30-10:00 hrs.	
	2 Energy-efficient power delivery technologies for computing Applications, Lilly Huang, Horacio Visairo, INTEL Co., USA	10:30-12:00 hrs. 14:30-16:00 hrs. 16:30-18:00 hrs.	
Monday 25/08/08	<b>KEYNOTE LECTURES</b>		
	- "A Look to the Future of the Electric Sector", Dr. Jorge Huacuz, Instituto de Investigaciones Eléctricas, MEXICO - "Power Conditioning Structures and Schemes for Alternative Renewable Resource Technologies", I.T. Chihuahua, MEXICO - "Power Electronics for Alternative Energy Sources", Dr. Muhammad Rashid, University of Florida, USA	9:00-12:00 hrs.	
	<b>Session No.1: POWER FACTOR CORRECTION</b>		
	- Study of the Power Factor Correctors with Fast Output-Voltage Feedback Loop - Input Current Shaper Operating in DCM - A New Very Simple Control Circuitry for the Flyback Family of Power Factor Correctors Operating in CCM - Three-Phase Asymmetrical Power Source with Power Factor Correction	14:00-16:00 hrs.	
	<b>Session No.2: ELECTRONIC BALLAST</b>		
	- Analysis and Design of a Model Based on Step Response for the Stability in HID Lamps - Influence Of The Use Of Square Waveforms In Fluorescent Lamps - A Dynamic Study Of The Time Constant In HID Lamps	16:30-18:00 hrs.	
Tuesday 25/08/08	<b>Session No.3: ACTIVE POWER FILTER</b>		
	- A Current Limiter Based on an Active Current Power Filter - Practical Considerations in the PWM rectifier with Active Filter Function - A model-based controller for a three-phase four-leg shunt active filter - An adaptive controller for a shunt active filter considering load and line impedances	8:00-10:00 hrs.	
	<b>Session No.4: CONTROL IN POWER ELECTRONICS</b>		
	- Analysis and Design of a Model Based on Step Response for the Stability in HID Lamps - Influence Of The Use Of Square Waveforms In Fluorescent Lamps - A Dynamic Study Of The Time Constant In HID Lamps	10:30-12:00 hrs.	
	<b>Session No.5: DC-DC CONVERTERS</b>		
	- A simple DC-UPS based in Forward-Forward Topology, Design and Simulation - Multiple-Output DC-to-DC based on the Flyback Converter - A Study on Load Power Probability-Distribution-Function Effect on Power Conversion Efficiency - Multi-Mode Synchronous Buck Converter with Non-Uniform Current Distribution for Portable Applications	14:00-16:00 hrs.	
	<b>Session No.6: FAULT DIAGNOSIS AND SIMULATION</b>		
	- A Novel Strategy to Replace the Damaged Element for Induction Motor Drive - Design Strategy to Optimize the Reliability of Power Converters - Top-down methodology employing hardware description languages (HDLs) for designing digital control in power converters	16:30-18:00 hrs.	
Wednesday 25/08/08	<b>Session No.7: GRID CONVERTERS</b>		
	- Characterization of reference signal generator for grid connected applications - Determination of an ideal ripple injection technique for high performance multi-phase rectifiers - Losses Analysis in Power Semiconductor Devices of a Single-Phase Active Multi-Level Rectifier with Voltage Sag Ride-Through Capability - A Fast AC Voltage Regulator	8:00-10:00 hrs.	
	<b>Session No.8: ALTERNATIVE ENERGY SOURCES</b>		
	- Hierarchical Control of Hybrid Power System - Comparison Between Two-Stage and Integrated Power Conditioner Architecture for Fuel Cell Based Power Supply Systems - Two Inputs DC/DC Converter Applicable in Clean-Energy Resources	10:30-12:00 hrs.	
	<b>Session No.9: MODELING AND SIMULATION</b>		
	- 4H-SiC PiN Diode Electrothermal Model for Conduction and Reverse Breakdown for Pspice Simulator - Test Bench to emulate an electric vehicle through equivalent inertia and machine dc - Modeling and simulation requirements for the analysis and design of DC distributed power electronic systems - A Parameterization Tool for Power Electronics Design at System level	14:00-16:00 hrs.	

### Actividades

1. Control de Acceso
2. Control de proyección (Incluye responsabilizarse de cargar los archivos de las presentaciones en la PC y pasar las diapositivas del expositor)
3. Control de micrófonos (de solapa para el expositor e inalámbricos para el moderador y preguntas/respuestas esta actividad que se encargue la chica asignada en cada equipo)
4. En el área de registro se debe turnar durante las sesiones una persona de cada grupo y un par durante los recesos, que apoyen a Ma. Elena y a Maira.
5. A los equipos previo al horario establecido para la comida se deberán turnar en ir a comer de tal forma que el equipo de sonido no quede solo.
6. ¡IMPORTANTE! Cada líder de grupo tiene todas las facultades plenipotenciarias para coordinar como mejor le convenga estas actividades.