

# IEEE Region-8 IA PEL IE PE Inter-Society Chapters Workshop and Joint Chapter Meetings of the IEEE IAS/PELS/IES German Chapter and IEEE PES German Chapter

by Peter Magyar, Chairman, IEEE IAS/PELS/IES German Chapter, and Andreas Luxa, Chairman, IEEE PES German Chapter



Ladies and Gentlemen,

We are pleased to invite you to the "IEEE Region-8 IA PEL IE PE Inter-Society Chapters Workshop and Joint Chapter Meetings of the IEEE IAS/PELS/IES German Chapter and IEEE PES German Chapter", which will be held May 12-14th, 2004 in Berlin, Germany.

This is a three-day triple Joint Meeting of the Joint IEEE IAS/PELS/IES German Chapter and the IEEE PES German Chapter. The hosts are Alstom Power Conversion Ltd, Berlin, Siemens Power Transmission and Distribution, Berlin and the University of Technology, Berlin. For additional information about the hosts please visit our website ([www.ewh.ieee.org/r8/germany/ias-pels](http://www.ewh.ieee.org/r8/germany/ias-pels) >> upcoming events >> R-8 Inter-Society Workshop and <http://evserv02.e-technik.uni-dortmund.de/IEEE/ieee.html>). The detailed Technical Program with additional registration, payment and hotel information, a Registration Form

and Hotel Reservation Forms are on the web and may be downloaded... The documents are:

- (1) Progr\_Berlin\_R8Workshop.pdf, (2) Registration Form\_Berlin\_R8Workshop.doc, (3) Reservation FormExcelsior.doc, (4) ReservationFormSorat.doc)

This is the second time that the chapter meeting of the IAS/PELS/IES Chapters will take place in three different institutions and on three days but the first time in the old/new capital of reunited Germany. Each of the three meetings contains a full day program with technical lectures, company tours and institute visits. Every day will be closed by a get-together party organized by the hosts. Both organizing chapters are inviting the Sister Chapters of Region 8 to take part.

A very important part of this event will be the IEEE Region-8 IA - PEL - IE - PE Inter-Society Chapters Workshop in the form of an Introductory Session at the Berlin Headquarters of VDE German Association for Electrical, Electronics & Information Technologies on the first day and a Closing Session at the University of

Technology Berlin on the last day. We hope we will be able to give all participants, ourselves included, numerous opportunities to meet as many members and IEEE Officers as possible in order to get well acquainted and exchange experiences about chapter activities. During the weekend, excursions, museum visits and sight-seeing tours will be organized for those interested.

We expect that the technical / scientific program of these events and the internationalism of the participants combined with the meeting venue, Berlin belonging to the exciting places of modern Germany, will attract a lot of friends. On behalf of the chapter we would like to invite you to join us.

We would like to request the Chapter Chairs to support their participating Chapter Members by processing the Chapter Registration and contact their respective Society Chapters Department Chair for providing financial support for registration fee and travel expenses.

*Peter Magyar and Andreas Luxa  
General Chairs of the Workshop*

## WPET 2004 to be held in Motown in October 21-22, 2004!

By, Prof. John Shen, University of Michigan – Dearborn


From the hybrid electric cars on roads to the fuel cell vehicles in R&D labs, automotive industry represents one of the fastest growing areas for power electronics. The eighth IEEE Workshop on Power Electronics in Transportation (WPET 2004) will be held on October 21-22 in Detroit Metropolitan area, immediately after conclusion of the biennial IEEE/SAE CONVERGENCE vehicle electronics conference. The workshop will focus on various aspects of power electronics in automotive systems, and will provide an opportunity for the discussion among researchers. The event will be co-sponsored by IEEE Power Electronics Society and IEEE Southeastern Michigan Section, and in collaboration with IEEE Vehicle Technology Society and the Society of Automotive Engineers (SAE). Paper abstracts are due on May 15. For more information, see the Call for Papers in this Newsletter or visit <http://www.engin.umd.umich.edu/ECE/~WPET>.

## Introduction to the Intelec '04 welcome letter and advertisement in this issue

On behalf of the management committee of Intelec '04, I am pleased to present a welcome letter from Charles K. McManus, the General Chairman of this year's conference on page 14 of this newsletter. You will also find an advertisement for this years conference in the newsletter with additional information about Intelec '04. We look forward to seeing you in Chicago this September for "Exploring Power; The Foundation For Communications."

*Steve Vecchy  
Energy Systems Inc.*

**RUGGED DC POWER SUPPLIES**

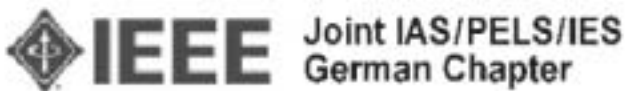
PQD SERIES	3.3 TO 10 KW	
PQ SERIES	3.3 TO 10 KW	
SQ SERIES	20 TO 30 KW	
MQ SERIES	20 TO 60 KW	
MT SERIES	100 TO 750 KW	

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Many models	0 to 2500 Vdc, 0 to 7500 Adc.
Current fed design	More robust than voltage fed designs. Disturbances cannot saturate isolation transformer.
Polyphase choppers	Fast responding, low ripple power processing.
Control	Automatic V/I Crossover.
Local OVP and OCP	Convenient front panel controls for displaying and setting over voltage and over current trip.
Series and parallel master/slave	Allows series or parallel combinations of power supplies with one unit controlling the system.
Optical isolation	All front panel digital controls can be accessed from rear connectors. All digital lines have ohmic isolation eliminating ground loops.
Remote analog and computer control	Voltage, current, over voltage trip, and over current trip can be remotely programmed via resistance, voltage, current, or with optional RS232, IEEE-488, Ethernet, and USB communications.
Software/Drivers	Remote interface software, Labview drivers, and Labwindows/CVI drivers



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Founded on December 18, 1997  
IEEE-PELS Best Chapter Award for 2001  
IEEE-IAS's 2002 Outstanding Large Joint Chapter  
[www.ieht.ieee.org/8/germany/ias-pels](http://www.ieht.ieee.org/8/germany/ias-pels)



**IEEE Region 8 IA IE PEL PE Inter-Society  
Chapters Workshop**

*and*

**Joint Chapter Meetings  
of the  
IEEE IAS/PELS/IES German Chapter  
and  
IEEE PES German Chapter**

**May 12-14<sup>th</sup> 2004, Berlin, Germany**

**HOSTS**



*Region 8  
Sections  
and Chapters*

*IEEE Technical Societies*



**VDE Association for Electrical, Electronics &  
Information Technologies, Germany, Frankfurt**  
VDE Headquarters, Berlin-Charlottenburg



**ALSTOM Power Conversion GmbH**  
General Drives, Berlin



**Berlin University of Technology**  
Faculty IV, Electrical Engineering and Computer Science, Berlin



**SIEMENS AG**  
Power Transmission and Distribution, Berlin

## VENUE OVERVIEW

12 <sup>th</sup> May, Morning	<b>P</b>	<b>IEEE Region 8 IA PEL IE PE Inter Society Chapters Workshop Introductory Session</b> VDE Verband der Elektrotechnik Elektronik Informationstechnik e.V. VDE-Haus Berlin-Charlottenburg (Berlin Headquarters) Bismarckstraße 33, D-10625 Berlin
12 <sup>th</sup> May, Afternoon	<b>O</b>	<b>1<sup>st</sup> Meeting</b>
	<b>H</b>	<b>Joint Chapter Meeting of the IEEE PES German Chapter and IEEE IAS/PELS/IES German Chapter</b>
	<b>S</b>	<b>SIEMENS AG Power Transmission and Distribution</b> Nonnendammallee 104, D-13629 Berlin
13 <sup>th</sup> May	<b>S</b>	<b>2<sup>nd</sup> Meeting</b>
	<b>K</b>	<b>Joint Chapter Meeting of the IEEE IAS/PELS/IES German Chapter and IEEE PES German Chapter</b>
	<b>E</b>	<b>ALSTOM Power Conversion Ltd, General Drives</b> Culemeyerstr 1, D-12277 Berlin
14 <sup>th</sup> May Morning	<b>R</b>	<b>3<sup>rd</sup> Meeting</b>
	<b>M</b>	<b>Joint Chapter Meeting of the IEEE IAS/PELS/IES German Chapter and IEEE PES German Chapter</b>
	<b>O</b>	<b>Berlin University of Technology</b> Einsteinufer 19, D-10587 Berlin
14 <sup>th</sup> May, Afternoon	<b>W</b>	<b>IEEE Region 8 IA-PEL-IE-PE Inter Society Chapters Workshop Closing Session</b> Berlin University of Technology Einsteinufer 19, D-10587 Berlin

## LOCAL CHAIRS

**Dr.-Ing. Andreas Luxa, Member IEEE**  
Vice President R&D  
SIEMENS AG, Power Transmission and Distribution  
High Voltage Technology  
[www.ptd.siemens.de](http://www.ptd.siemens.de)  
Chairman, IEEE PES German Chapter  
<http://evserv02.e-technik.uni-dortmund.de/IEEE/ieee.html>

**Dr.-Ing. Georg Möhlenkamp, Senior Member IEEE**  
General Manager Engineering & Development  
ALSTOM Power Conversion GmbH, Berlin  
[www.powerconv.alstom.com](http://www.powerconv.alstom.com)

**Prof. Dr.-Ing. Steffen Bernet, Member IEEE**  
Power Electronics Group

**Prof. em. Dr.-Ing. Manfred Stiebler, Senior Member IEEE**  
Electrical Machines, Drives and Renewable Energies Group  
Institute of Energy and Automation Technology,  
Dept. of Electrical Engineering and Computer Science,  
Berlin University of Technology, Berlin  
[www.iee.tu-berlin.de/ieist.html](http://www.iee.tu-berlin.de/ieist.html)  
[www.iee.tu-berlin.de](http://www.iee.tu-berlin.de)

## GENERAL CHAIRS

**Dr.-Ing. Andreas Luxa, Member IEEE**  
Chairman  
IEEE PES German Chapter  
<http://evserv02.e-technik.uni-dortmund.de/IEEE/ieee.html>

**Dr.-Ing. Peter Magyar, Senior Member IEEE**  
Chairman, IEEE IAS/PELS/IES German Chapter  
[www.ewh.ieee.org/r8/germany/ias-pels](http://www.ewh.ieee.org/r8/germany/ias-pels)

## LOCAL MEETING ORGANIZERS

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