

IEEE IAS Petroleum and Chemical Industry Committee International Subcommittee

Report to the Executive Subcommittee PCIC Conference 9/22/11

Current Officers

- Chair Horst Kuemmler
- Vice-Chair Bill Lockley
- Secretary Wolfgang Berner

Subcommittee Meeting

▪ Attendance:

Officers	3
Members	20
Guests	<u>1</u>
Total Attendance	24

▪ Membership Roster Changes:

Previous Total	65
Members added	14
Members removed	<u>38</u>
Total Membership	41

▪ Agenda Highlights

- Continuing with 2 sessions for 2012
- Ballot on 2012 papers
- PCIC Brazil presentation
- PCIC Europe report
- Exploring PCIC Mexico
- Looking for new secretary in 2012 (3 possibles)

Member Recognition

- Senior Member elevation - None
- Other Awards or Recognitions - None

Technical Session Attendance

PCIC #	Title	Attendance
2011-22	APPLYING IEC 60909, SHORT-CIRCUIT CURRENT CALCULATIONS	78
2011-23	THE POWER OF IEC 61850 FOR BUS TRANSFER AND LOAD SHEDDING APPLICATIONS	132
2011-24	CLASSIFICATION OF HAZARDOUS AREAS PRODUCED BY MAINTENANCE INTERVENTIONS ON N.G. DISTRIBUTION NETWORKS AND IN PRESENCE OF OPEN SURFACE OF FLAMMABLE LIQUID	52
2011-37	INTERFACES BETWEEN MV AND LV ASSEMBLIES AND	80

	POWER GENERATION FACILITIES IN PETROCHEMICAL PLANTS – A BRAZILIAN EXPERIENCE	
2011-38	HIGH EFFICIENCY HEATING METHOD FOR SUBSEA PIPELINE HEATING	62
2011-39	THE INFLUENCE OF OFFSHORE AND SHIPBOARD CABLES STANDARDIZATION ON PLATFORM CONSTRUCTION GUIDELINES AND LOCAL MARKET	64

Papers for Next Year

- Number of papers discussed and balloted for level of interest: 10
- Number of papers submitted directly to Subcommittee: 0
- Paper proposals selected based on ballot of interest and other factors to assure a balanced and quality slate:

Prelim ID	Title	Authors (Underline Lead Author)	Status
NO - 117	Global Compliance of Rooms in Hazardous Areas.	<u>John Paul De Beer</u>	CO
NO - 175	Extending Motor Life with Updated Thermal Model Overload Protection	<u>Daniel L. Ransom, PE</u> John Wang	CO
NO - 22	Power Management System in an Industrial Plant	<u>Fernando E. Pacheco</u> Hossam E. Refaat	RJ
NO - 25	Vibration and Rotor dynamics Considerations of Large High Speed Motors Driving Compressors in Oil and Gas Industry	<u>Sumit Singhal</u>	AC
NO - 45	“Differences and Similarities between ANSI / NEMA and IEC Cultures for MV and LV Assemblies – The Brazilian Reality for Petrochemical Plants”	<u>Luiz Felipe O. Costa</u>	AC
NO - 54	Testing Large ASDS	<u>Daniele Buzzini Sesto</u> Maurizio Zago	AC
NO - 56	Motors Dynamics Design through Forced Vibration Analysis	<u>Cornelis Filho</u> Rafael Fialho Suresh Babu Pinapati	AC
NO - 58	Prospect of Iran Natural Gas Export Projects	<u>Hedayat Omidvar</u>	RJ
NO - 63	Loss Characteristics of Beam Pumping Motors with Generator and Motor modes	<u>Haisen Zhao</u> Xueshen Cui Xiaofang Liu Yingli Luo	RJ
NO - 71	Optimal sizing, optimal design and starting large induction motors.	<u>Mohsen Raissi</u>	RJ
NO - 72	IEEE Std 515 - 2011 Electrical Resistance Industrial Heat Tracing Standard - The Next Step in Harmonization	<u>Richard H. Hulett</u>	AC

NO - 83	Enhanced Electro-Mechanical System Integration Approach for VSD Driven Oil and Gas Compressors	<u>Pieder Joerg</u> Martin Bruha Andrea Lenzi Paola Rotondo	AC
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Papers NO-22, NO-58, NO-63 and NO-71 were rejected due to lack of interest.

Notes:

1. Indicate Status as CO for carry over spare from current year, AC for accepted new proposal.
2. International Subcommittee has a development slate of 8 papers (2 Carryovers plus 6 new papers).
3. Spare papers for Next Year are not identified until April deadline for having final draft submitted.

Status of Subcommittee Goals

Completed Goals:

- Go for two international sessions was successful.
- Make CD's and records from PCIC-Europe available (Process was introduced, but shipped records for 2011 got lost in Italy)

Update on Goals in progress:

- Getting authors from Mexico (discussing PCIC Mexico).
- Find a way to get better proposals from China (no progress)
- Get new younger people into the Intl. SC in conjunction with YEDS (no progress)

New Goals:

Other Business or News of Interest

▪ **New Secretary**

Have 3 possible candidates for incoming secretary, (Raimond Elias, Luis Felipe O. Costa, Sumit Singhal). Will advise at January meeting.

▪ **PCIC Mexico**

Options for PCIC Mexico were discussed. Discussions lead to following conclusions:

- Working with PCIC Brazil does not seem practical (no interference with participation)
- Hosting North American PCIC in Mexico is not preferred (language and safety)
- Standalone PCIC Mexico seems to be the best option, but was not further discussed as there were no Mexican participants present