

GENERAL TECHNICAL SESSION Monday Morning - Presiding: Peter Baen, PCIC Chair		
PCIC-2018-01	UNEXPECTED SOURCES OF ENERGIES WEEDING THROUGH HAZARDOUS SPECTRUM	
	Rehanul Hasan Rick Mandler Behzad Nejad Donna Hodgson	Emerson Phillips 66 CSA Group Shell Int'l Exploration & Production, Inc.
PCIC-2018-02	TECHNOLOGY CHANGE MANAGEMENT, ASSESSMENT, AND ORGANIZATIONAL BEHAVIOR	
	Raymond Catlett	SOG, LLC
PCIC-2018-03	GROUNDING SYSTEM CONDUCTORS: SOLID, STRANDED, BARE OR INSULATED?	
	Robert Durham Stephen Szczepinski Marcus Durham	THEWAY Labs Joseph Paul & Associates THEWAY Labs

GENERAL TECHNICAL SESSION II Monday Afternoon - Presiding: Dennis Bogh, PCIC Vice-Chair		MARINE TECHNICAL SESSION I Monday Afternoon - Rick Paes, Chair		REFINING TECHNICAL SESSION I Monday Afternoon - Rick Bono, Chair		SAFETY TECHNICAL SESSION I Monday Afternoon - Shahid Jamil, Chair					
PCIC-2018-04	COMPARISON OF IEC AND NEMA REQUIREMENTS TO ENSURE PROPER SPECIFICATION AND DESIGN OF INDUCTION MOTORS & GENERATORS FOR GLOBAL USE-PART 2		PCIC-2018-07	SELECTION AND TESTS OF INNOVATIVE VARIABLE SPEED MOTOR COMPRESSOR SOLUTIONS FOR A 55MW FULL ELECTRIC OFF-SHORE PLATFORM MAXIMIZING AVAILABILITY AND EFFICIENCY WITH BETTER ENVIRONMENTAL IMPACT		PCIC-2018-10	CALCULATION OF TRANSIENT TORQUES ON MOTORS DURING A RESIDUAL VOLTAGE MOTORBUS TRANSFER				
	Rajendra Mistry William Finley Tyler Gaerke	Siemens Industry Inc. Siemens Industry Inc.		Lional Durantay Sami Siala Thoman Alban Antoine Billaud	General Electric - Power Division General Electric - Power Division General Electric - Oil & Gas Division		Murty Yalla Arman Vakili Thomas Beckwith	Beckwith Electric Company, Inc. Powell Electrical Systems, Inc. Beckwith Electric Company, Inc.	PCIC-2018-13	RELIABILITY: THE MISSING LEG OF THE STOOL	
PCIC-2018-05	IEEE 519-2014 GUIDE FOR TESTING SWITCHGEAR RATED UP TO 24KV FOR INTERNAL ARCING FAULTS - IMPORTANT CHANGES TO THE NEW EDITION		PCIC-2018-08	DESIGN AND IMPLEMENTATION OF GENERATION CONTROL SYSTEM FOR AN OFFSHORE PLATFORM		PCIC-2018-11	HOW NEW ENERGY CODES ARE IMPACTING ELECTRICAL SUBSTATION DESIGNS			PCIC-2018-14	STRATEGIES FOR RELIABLE ARC FLASH DETECTION ON LOW VOLTAGE SWITCHGEAR
	Michael Wactor	Powell Industries		Srinath Raghavan Pedro S. Heliodoro Rekha Jagaduri Sikar Malladi	Schweitzer Engineering Labs, Inc Marathon Oil Company Schweitzer Engineering Labs, Inc Schweitzer Engineering Labs, Inc		Luca Magenes Hao Dinh Andrew Klein	Powell Industries Powell Industries A S Klein Associates, PLLC	Robert Burns Adams Baker Dan Hmcir		Eaton Eaton Eaton
PCIC-2018-06	AN INTRODUCTION TO IEEE STD 1582-2017 RECOMMENDED PRACTICE FOR THE SELECTION, FIELD TESTING, AND LIFE EXPECTANCY OF MOLDED-CASE CIRCUIT BREAKERS FOR INDUSTRIAL APPLICATIONS		PCIC-2018-09	GENERATOR DIFFERENTIAL RELAY TRIP ON AN OFFSHORE PLATFORM		PCIC-2018-12	PREMATURE FAILURE OF LARGE HORSE POWER MOTORS DUE TO IMPROPER FIELD CONNECTIONS, INSTALLATION AND COMMISSIONING		PCIC-2018-15	HUMAN PERFORMANCE AND HOW IT AFFECTS SAFETY	
	Gary Donner Jeremy Smith Jessica Maldonado	TDE BP TDE		Alok Gupta Dibyendu Bhattacharya	BP America Inc BP Exp Op Co Ltd		James Nanney Izhak (Ike) Grinbaum Mark Littlefield	Nidec Industrial Solutions IZG Corp Williams Companies		James White Tony Demaria	Shermco Industries Tony Demaria Electric

CHEMICAL TECHNICAL SESSION I Tuesday Morning - Mark Throckmorton, Chair		ELECTROCHEMICAL & EMERGING TECHNOLOGIES TECHNICAL SESSION I Tuesday Morning - Eddie Guidry, Chair		INTERNATIONAL TECHNICAL SESSION I Tuesday Morning - Nicolas Leblanc, Chair		PRODUCTION TECHNICAL SESSION I Tuesday Morning - Donna Hodgson, Chair		TRANSPORTATION TECHNICAL SESSION I Tuesday Morning - Todd Huston, Chair			
PCIC-2018-16	ADJUSTABLE SPEED DRIVE SYSTEM COMPARISON - VSI AND LCI FOR HIGH POWER APPLICATIONS		PCIC-2018-19	THE VALUE OF INTEGRATING POWER AND PROCESS FOR THE PETROCHEMICAL INDUSTRY		PCIC-2018-22	HARDWARE-IN-THE-LOOP TESTING OF ELECTRICAL PROTECTION AND CONTROL SYSTEMS		PCIC-2018-25	COOLING THE ARC FLASH HOT SPOT	
	Axel Rauber Peter den Bakker	ABB Switzerland Ltd. Shell Chemicals Americas Inc		David Mazur John Kay Cheryl Schmehl Bruce Venne	Rockwell Automation Rockwell Automation Rockwell Automation Rockwell Automation		Krishnanjan Gubba Ravikumar Roy Hamilton Anshuman Mallya Michael Mendiola	Schweitzer Engineering Labs, Inc Chevron Chevron Chevron		Paul Cardinal Rick Preston Gautami Bhatt	Siemens Bechtel
PCIC-2018-17	METHODS TO AVOID ELECTRICAL RUNOUT		PCIC-2018-20	INTRODUCTION TO THE NEW STANDARDS: IEEE 310-2017/IEC 60212 NO. 293-1-17 AND IEEE STD 844.2-2017/CSA C293.2 FOR SKIN EFFECT TRACE HEATING OF PIPELINES, VESSELS, EQUIPMENT, AND STRUCTURES		PCIC-2018-23	COMPREHENSIVE OVERVIEW, AND COMPARISON OF ANSI VS. IEC SHORT CIRCUIT CALCULATIONS - USING IEC SHORT CIRCUIT RESULTS IN IEEE 1584 ARC FLASH CALCULATIONS		PCIC-2018-26	APPLYING OFF-THE-SHELF ADJUSTABLE SPEED DRIVES AND ELECTRIC MOTORS - AN ASD PRIMER (PART 1)	
	Lutz Hubner Horst Kummlee Tomasz Neumann Richard Sozodrok Joachim Denk Oliver Stier	Siemens AG Siemens AG Siemens AG Siemens AG Siemens AG Siemens AG		Roy Barth Franco Chakkalakal	Thermon Pentair Thermal Management		Alshin Majd Robert Luo Marvin Devadass Tim Huang	EasyPower EasyPower EasyPower EasyPower		Tom Stewart Jeffery Lovelace Steve Williams	TMEIC Corporation TMEIC Corporation Co-op Refinery Complex
PCIC-2018-18	THE DIFFERENCES BETWEEN VERTICAL AND HORIZONTAL MOTORS USED IN THE PETROCHEMICAL INDUSTRY		PCIC-2018-21	CASE STUDY: DEPLOYMENT OF 200 SMART MOTOR CONTROL CENTERS		PCIC-2018-24	COMPARATIVE ANALYSIS OF ANSI AND IEC CURRENT TRANSFORMERS IN PROTECTION APPLICATIONS		PCIC-2018-27	HIGH RESISTANCE GROUNDING (HRG) AND ADJUSTABLE SPEED DRIVES (ASD)	
	Helmuth Glatt Austin Bonnett John Frese	Nidec Motor Corporation Emerson Electric (Retired) Nidec Motor Corporation		Praveen Subramanian Scott Manson Roy Hamilton Michael Mendiola	Schweitzer Engineering Labs, Inc. Schweitzer Engineering Labs, Inc Chevron Chevron		Dragan Ristanovic Terry Tadlock Gautami Bhatt	Bechtel OG&C Bechtel OG&C Bechtel OG&C		Sergio Panetta John P. Nelson	I-Gard Corp. NEI Engineering Inc.

CHEMICAL TECHNICAL SESSION II Wednesday Morning - Keith Lyles, Vice-Chair		ELECTROCHEMICAL & EMERGING TECHNOLOGIES TECHNICAL SESSION II Wednesday Morning - Sudhir Thorat, Vice-Chair		INTERNATIONAL TECHNICAL SESSION II Wednesday Morning - Allen Gibson, Vice-Chair		PRODUCTION TECHNICAL SESSION II Wednesday Morning - Shelly DeGrate, Vice-Chair		TRANSPORTATION TECHNICAL SESSION II Wednesday Morning - Brandon Cassimere, Vice-Chair			
PCIC-2018-31	A MOTOR PRIMER - THE NEXT GENERATION: PERMANENT MAGNET MACHINES		PCIC-2018-34	USING IEC 61850 FOR A POWER MANAGEMENT SYSTEM OF AN OFFSHORE PLATFORM		PCIC-2018-37	A SMART CONDITION MONITORING SYSTEM FOR HY NETWORKS WITH ARTIFICIAL INTELLIGENCE, AUGMENTED REALITY AND VIRTUAL REALITY		PCIC-2018-40	CASE STUDY: RADIO APPLICATION IN A SMART GRID SYSTEM FOR A BROWNFIELD ONSHORE DISPERSED OIL FIELD	
	Robert McElveen Nicolas Frank William Martin Jukka Jarvinen	ABB ABB ABB ABB		Richard Preston Louis Bevrotte Quinton Houston Rodrigo Munoz	Siemens Shell Jacobs Siemens		Lee Renforth Riccardo Giussani Michael Mendiola	HV/DP HV/DP Chevron		Kel Hao Niraj Shah Neil Herbert	Schweitzer Engineering Labs, Inc. Schweitzer Engineering Labs, Inc. Chevron
PCIC-2018-32	WHAT YOU SHOULD EXPECT FROM YOUR MOTOR SERVICE CENTER WHEN SERVICING YOUR MOTOR		PCIC-2018-35	MODULARIZATION OF HIGH VOLTAGE GAS INSULATED SUBSTATIONS		PCIC-2018-38	HOW TO ID IOT SOLUTIONS WITHOUT FEELING LIKE AN IDIOT: AN APPLICATION PERSPECTIVE		PCIC-2018-41	EXPERIENCE WITH FAST LOAD SHEDDING USING IEC 61850 GOOSE	
	Austin Bonnett Chuck Yung	IEEE Emeritus/Retired EASA		Merwyn D'Souza Ravi Dhara Rene C. Bouyer	WorleyParsons ABB Inc. ABB AG		Joseph Manahan Dennis Grinberg	Eaton Eaton		JC (Jacobus) Theron Anthony Colonese Troy Wilsey Russell Gagner	GE Energy Connections Ameresco Ameresco CIV NAVFAC MidLant
PCIC-2018-33	COAST-DOWNS AND RUN-UPS: UNDERSTANDING VIBRATION RESPONSES		PCIC-2018-36	PINPOINTING PARTIAL DISCHARGE IN MEDIUM VOLTAGE BUS DUCT; RECOGNIZE, REPAIR, RE-ENERGIZE		PCIC-2018-39	APPLYING CONTINUOUS MONITORING & DIAGNOSIS (CMD) TO CRITICAL ROTATING MACHINES WITH NO ADDITIONAL DEVICE TO INSTALL		PCIC-2018-42	CABLES AND CABLE GLANDS FOR HAZARDOUS LOCATIONS	
	Ryan Queen Gregory Chatlos	Siemens Siemens		Sean Broderick Jim Bowen Dion Caves	Powell Industries MMT Services Powell Industries		Mital Kanabar Vijaysarathi Muthukrishnan A. Thomas Jeyanth Yogaratnam	GE Grid Solutions, Canada GE Grid Solutions, Canada Barrick Gold, Canada GE Grid Solutions, Canada		Brian Keane Gerhard Schwarz Peter Thurnherr	Eaton GSA Consulting thuba Ltd.

MARINE TECHNICAL SESSION II Wednesday Afternoon - Kevin Peterson, Vice-Chair		REFINING TECHNICAL SESSION II Wednesday Afternoon - Troy Parvino, Vice-Chair		SAFETY TECHNICAL SESSION II Wednesday Afternoon - Jim White, Vice-Chair				
PCIC-2018-46	HARMONIC ANALYSIS OF ARCING FAULTS AND IMPACTS ON SYSTEM PROTECTION		PCIC-2018-49	THE EFFECT OF AIR GAP ON ELECTRIC MOTOR PERFORMANCE		PCIC-2018-52	THE DISCONNECT BETWEEN ELECTRICAL SAFETY AND ELECTRICAL ACCIDENT PREVENTION	
	Dane Martindale Jeremy Smith	Aramco Services Company BP		Chuck Yung J. Travis Griffith	EASA Jacobs Engineering		Tammy Gammon Shahid Jamil	JMA Independent Electrical Engineering & Safety Consultant
PCIC-2018-47	MEDIUM VOLTAGE FREQUENCY CONVERTER FOR ESP APPLICATIONS		PCIC-2018-50	THE EFFECT OF HAZARDOUS LOCATIONS ON ELECTRICAL EQUIPMENT SHORT CIRCUIT RATINGS		PCIC-2018-53	SAFETY BY DESIGN - HOW ELECTRICAL DEVICES INSTALLED IN THE INDUSTRY CAN BE DESIGNED TO ENHANCE PERSONAL SAFETY	
	Diogo B. Candido Joable A. Alves Wallace G. Honorio A. Timoteo da Costa e Silva	WEG Drives & Controls - Automation WEG Drives & Controls - Automation Statoil Oil & Gas Brazil AS Statoil Oil & Gas Brazil AS		Rehanul Hasan Rick Mandler Behzad Nejad	Appleton Phillips 66 CSA		Palak Parikh Mital Kanabar Michael Pilon	GE Grid Solutions GE Grid Solutions GE Grid Solutions
PCIC-2018-48	A NEW STANDARD FOR MARINE POWER DISTRIBUTION		PCIC-2018-51	STATOR ENDWINDING VIBRATION IN TWO-POLE MACHINES		PCIC-2018-54	FAILURE TO FOLLOW STANDARD INSTRUCTIONS CAN LEAD TO A SERIOUS ACCIDENT	
	Jeffrey Jordan Nicole Barthel Duncan McTaggart	Schneider Electric Schneider Electric Ellicott Dredges		Greg Stone Bayu Satmoko Nixon Manik John Letal	Iris Power Star Energy Star Energy Iris Power		Joe Rachford	e-Hazard