

GENERAL TECHNICAL SESSION						CHEMICAL TECHNICAL SESSION I						INTERNATIONAL TECHNICAL SESSION I						TRANSPORTATION TECHNICAL SESSION I											
Monday Morning - Presiding: Peter Bann, PCIC Chair						Monday Afternoon - Presiding: Mark Throckmorton, Chair						Monday Afternoon - Presiding: Wolfgang Berner, Chair						Monday Afternoon - Presiding: Bill Stewart, Chair											
Draft Paper #	Conf Rec #	Paper Title & Authors				Draft Paper #	Conf Rec #	Paper Title & Authors				Draft Paper #	Conf Rec #	Paper Title & Authors				Draft Paper #	Conf Rec #	Paper Title & Authors									
CA-032	PCIC-2017-01	THE ELECTRICAL RELIABILITY PLAN - A TOOL TO BRIDGE BUSINESS STRATEGY WITH ELECTRICAL INVESTMENT Jim Swales Frank E. Bleshan Pat Pollock Chris Walker				CA-004	PCIC-2017-07	NEW APPROACH TO ARCING COMPONENTS IN HAZARDOUS AREAS Jim Bulmer Richard Lohalek				CA-111	PCIC-2017-10	A GUIDE TO SECURING INDUSTRIAL CONTROL NETWORKS - (ITOT) CONVERGENCE Richard Patis David Hozar Jack Orlowski Rocio Verma				CA-354	PCIC-2017-13	EFFECTIVE TRANSIENT-FREE CAPACITOR SWITCHING (TFCS) FOR LARGE MOTOR STARTING ON MV SYSTEMS Dwaraka S. Padmni Michael B. Christian, Sr. Jukka Järvinen									
CA-396	PCIC-2017-02	A TESTED METHOD FOR MITIGATING ARC FLASH HAZARDS IN EXISTING LOW VOLTAGE MOTOR CONTROL CENTERS Jim Bowen Dana Martindeza Andrew Ackerman Tom Mabey				CA-047	PCIC-2017-08	PERFORMANCE OF SYNCHRONOUS MOTORS - LOSS-OF-SYNCHRONISM PROTECTION Marco Donato Vincent Tostet Buckley Patel Paula Donato				CA-041	PCIC-2017-11	CYBER SECURITY PRIMER FOR LEGACY PROCESS PLANT OPERATION Chel Sandberg Robert Hunter				CA-079	PCIC-2017-14	INPUT POWER QUALITY ISSUES AND HOW TO SPECIFY VARIABLE FREQUENCY DRIVE FOR WEAK INPUT LINE CONDITIONS Elena Kovova Robert Osman									
CA-118	PCIC-2017-03	PERFORMANCE OF AN ARC-RESISTANT MEDIUM VOLTAGE MOTOR CONTROL CENTERS FOR AN IN-SERVICE FAULT Mark Metzloff Douglas Reichart Richard Shalla Adam Faccio				CA-388	PCIC-2017-09	THE ADVANTAGES, CHALLENGES, AND CRITICAL ASPECTS TO ACHIEVING ROBUST SEALS WITHIN HAZARDOUS LOCATION ELECTRICAL INSTALLATIONS R. Shah Inc. Jesse W. Taylor Eric Cheney Paul Pace				CA-310	PCIC-2017-12	ON-LINE PARTIAL DISCHARGE (OLPD) INSULATION CONDITION MONITORING (CM) OF COMPLETE HV NETWORKS FOR OIL & GAS Jae A. Redford Ricardo Guzman Michael Mendivil Leah Dool				CA-073	PCIC-2017-15	A GUIDE TO MATCHING MEDIUM VOLTAGE DRIVE TOPOLOGY TO PETROCHEMICAL APPLICATIONS Navid Zargari Zhong Chang Richard Patis									
ELECTROCHEMICAL TECHNICAL SESSION I						REFINING TECHNICAL SESSION I						MARINE TECHNICAL SESSION I						SAFETY TECHNICAL SESSION I						PRODUCTION TECHNICAL SESSION I					
Tuesday Morning - Presiding: Eddy Guilty, Chair						Tuesday Morning - Presiding: Rick Bono, Chair						Tuesday Morning - Rick Patis, Chair						Tuesday Morning - Presiding: Ian Basaunjanman, Chair						Tuesday Morning - Presiding: Shelly DeGruis, Vice-Chair					
CA-072	PCIC-2017-16	NEW ALTERNATIVES TO MANAGE HOT SURFACE IGNITION TEMPERATURES FOR TRACE HEATING IN EXPLOSIVE ATMOSPHERES Dan Casquette Mark Austin John Parks, Jr.				CA-033	PCIC-2017-19	SYMPATHETIC INTERACTION BETWEEN THREE-WINDING TRANSFORMERS AND IMPACT IN GROUND RELAYING IN A QUANT OIL AND GAS FIELD ENVIRONMENT Jesus Fatico Chevron Energy Technology Co.				CA-030	PCIC-2017-22	SYNCHRONOUS MARK-TO-BEAM CLOSED-TRANSITION TRANSFER DESIGN STRATEGY FOR HIGH LEVELS OF AVAILABLE FAULT CURRENT Steven Ababay Steven Beaver				CA-008	PCIC-2017-25	HISTORY OF GROUNDING/EARTHING PRACTICES IN THE UNITED STATES Donald W. Zipse Electrical Fortniss, LLC				CA-062	PCIC-2017-28	POWER GENERATION LOAD SHARING USING DROOP CONTROL IN AN ISLAND SYSTEM Matthias Marchionni David Reynolds Eduardo Algraja John Looch			
CA-342	PCIC-2017-17	A DESIGN GUIDE TO NEUTRAL GROUNDING OF INDUSTRIAL POWER SYSTEMS Nehad El-Sharif Shanon Kennedy				CA-317	PCIC-2017-20	QUALITATIVE ANALYSIS OF PARTIAL DISCHARGE RADIO FREQUENCY EMISSION PROPOGATION IN MEDIUM VOLTAGE METAL CLAD SWITCHGEAR Charles Pastel Don Cavali James Blaine Jim Bowen				CA-063	PCIC-2017-23	DELIVERING RELIABILITY A STRING TEST OF A LARGE PUMP PACKAGE FOR AN OFFSHORE OIL & GAS FACILITY Dionna Hodgson Hugh Brier Alan Hildebrand Matt Stear				CA-379	PCIC-2017-26	ARC FLASH - NEW REGULATIONS AND THE ADVANTAGE OF THE ULTRA FAST GROUNDING SWITCH Benny Farid Wolfgang Holsberg Laura Proffess				CA-013	PCIC-2017-29	ELECTRIC GENERATOR CONDITION ASSESSMENT WITH ELECTROMAGNETIC INTERFERENCE ANALYSIS James Timberly David Buchanan Jose M. Valajo			
CA-318	PCIC-2017-18	INTELLIGENT MOTOR CONTROL CENTERS: DEFINING THE BENEFITS TO THE PETROLEUM AND CHEMICAL INDUSTRIES Michael Swales John Kay David Mayne Bill Stewart Bruce Verma				CA-345	PCIC-2017-21	PRACTICAL CYBERSECURITY FOR PROTECTION AND CONTROL SYSTEM COMMUNICATIONS NETWORKS Scott Manson Dwight Anderson				CA-128	PCIC-2017-24	SAFETY CONSIDERATIONS APPLICABLE TO SHIPBOARD AND MARINE TERMINAL ELECTRICAL INSTALLATIONS Dennis Nazari Jason P. Farner Rodrick J. Van Wart				CA-066	PCIC-2017-27	CORROSION REDUCTION IN POWER DISTRIBUTION Jesse Taylor Narash Mahapatra Stephanie Ellis				CA-017	PCIC-2017-30	LITHIUM-ION BATTERIES FOR INDUSTRIAL APPLICATIONS Yves Lavade Francis Gant Bernd Lombard			
ELECTROCHEMICAL TECHNICAL SESSION II						REFINING TECHNICAL SESSION II						MARINE TECHNICAL SESSION II						SAFETY TECHNICAL SESSION II						PRODUCTION TECHNICAL SESSION II					
Wednesday Morning - Presiding: Suthir Thorat, Vice-Chair						Wednesday Morning - Presiding: Troy Parvov, Vice-Chair						Wednesday Morning - Kevin Peterson, Vice-Chair						Wednesday Morning - Shahid Jame, Vice-Chair						Wednesday Morning - Presiding: Donna Hodgson, Chair					
CA-003	PCIC-2017-31	POWER SYSTEM DESIGN FOR A LARGE DYNAMIC NATURAL GAS FIELD Marwen D'Souza Manoel Ali Tami Miywael Salfas				CA-333	PCIC-2017-34	EXPANDED FIELD DATA ANALYSIS IN SUPPORT OF A TORQUE-BASED MOTOR BUS TRANSFER CRITERION Mury Yala Muthya Bedwith				CA-113	PCIC-2017-37	LESSONS LEARNED WHILE APPLYING ELECTRIC PROTECTION ON AN OFFSHORE PLATFORM Mikar Kanakar Sriyevathi Prathapanaya Jack Gupta Matt Proby				CA-043	PCIC-2017-40	PRACTICAL EXECUTION OF THE RISK ASSESSMENT PROCESS IN ELECTRICAL SAFETY Mike Doherty ehazard				CA-075	PCIC-2017-43	DEPLOYMENT OF MV DRIVES IN ELECTRICAL SUBMERISBLE PUMPS IN STEAM ASSIST GRAVITY ORBANKS APPLICATIONS Donald Wilson Karl Holsberg David Conrad Pablo Rodriguez			
CA-038	PCIC-2017-32	CRITICAL PROCESS LOADS: DEFINING AND INCORPORATING THEM INTO A RELIABLE POWER SYSTEM Gregory Clement Fraser Koenig Julian Price Nora Seidart				CA-027	PCIC-2017-35	ISOLATION TECHNIQUES FOR VARIOUS TOPOLOGIES OF MEDIUM VOLTAGE ADJUSTABLE SPEED DRIVES Manoj Varma Toufik Othman Saeed Alshaykh Scott Hestridge				CA-129	PCIC-2017-38	MARINE DC DISTRIBUTION SYSTEMS: TAKING ADVANTAGE OF ENABLING TECHNOLOGIES Michael Roa AES Americas				CA-319	PCIC-2017-41	APPLYING RISK ASSESSMENT AT THE WORKER LEVEL Daniel Roberts Schneider Electric				CA-037	PCIC-2017-44	SYNCHRONOUS LOAD SHARING PRINCIPLES FOR AN ISLANDED SYSTEM WITH STEAM AND GAS TURBINE GENERATORS Kishanram Gudra Revankar Janki Gaur Brandon Bailey Ty Clark			
CA-016	PCIC-2017-33	HOW RELIABLE IS YOUR UPS? ELIMINATING SINGLE POINTS OF FAILURE Steven Ababay Steven Beaver Chung Nguyen				CA-051	PCIC-2017-36	APPLICATION OF SHAFT BONDING DEVICES (RUBMISE) ON LARGE INVERTER FED MACHINES OPERATING IN A CLASS I LOCATION Bharat Mishra Don Amble Bill Lockley				CA-126	PCIC-2017-39	TECHNIQUES TO IMPROVE MV CASCADED H BRIDGE INVERTERS (CHBI) UPDS AVAILABILITY WHEN APPLIED TO HIGH POWER ESP OIL WELLS Jairo Lopez Eduardo de Costa Bortos Jean Guillaume de Carvalha Costa Robert A. Durham				CA-110	PCIC-2017-42	DESIGNING AND SPECIFYING MCCS TO REDUCE HAZARDS AND RISKS, USING IEEE 1883 Todd R. Basse Richard P. Anderson, Jr. Troy Stear Kurt R. Miskler				CA-052	PCIC-2017-45	CONTROL OF PERMANENT MAGNET SYNCHRONOUS MACHINES FOR SUBSEA APPLICATIONS Luis de Lencastre Adalberto Jose Pissa João Andrade Alves Eduardo Cardoso			
CHEMICAL TECHNICAL SESSION II						INTERNATIONAL TECHNICAL SESSION II						TRANSPORTATION TECHNICAL SESSION II																	
Wednesday Afternoon - Joe Williams, Vice-Chair						Wednesday Afternoon - Nicolas Lathau, Vice-Chair						Wednesday Afternoon - Todd Hutten, Vice-Chair																	
CA-338	PCIC-2017-46	EFFICIENCY OPTIMIZATION REQUIRES IMPROVED CHARACTERIZATION OF POLYPHASE INDUCTION MOTOR LOSSES Max Malt Robbie McEwen James McFarland				CA-310	PCIC-2017-49	NEW REQUIREMENTS FOR ELECTRICAL INSTALLATIONS IN HAZARDOUS LOCATIONS Eduardo Rangel, Jr. Carlos Amador-Sanguedo				CA-308	PCIC-2017-52	CONSIDERATIONS IN APPLYING SYMMETRICAL COMPONENTS FOR FAULT CURRENT EVALUATION OF AN ISLANDED NEUTRAL RESISTANCE-GROUNDED SYSTEM Ramesh Rittal James Hong Stephen McFarlane				CA-084	PCIC-2017-55	STATE OF THE ART FOR FULL ELECTRIC DRIVEN REFRIGERATION COMPRESSORS SOLUTIONS USING ADJUSTABLE SPEED DRIVES WHICH COMBINATION OF TECHNOLOGY PARAMETERS LEAD THE BEST CAPEX & OPEX SOLUTION UP TO 10MW? Lionel Luyat Jean-Marc Tallard Nicolas Vial Jean-François Prud'homme									
CA-031	PCIC-2017-47	IT'S GOOD TO GO BACKWARDS - SOMETIMES Thomas Gottsmann Mark Chaborn Heg-Maria John Schaefer				CA-086	PCIC-2017-50	APPLICATION OF IEC 60979-10:1 EDITION 28 FOR HAZARDOUS AREA CLASSIFICATION Alan Bokor EngWorks				CA-084	PCIC-2017-53	STATE OF THE ART FOR FULL ELECTRIC DRIVEN REFRIGERATION COMPRESSORS SOLUTIONS USING ADJUSTABLE SPEED DRIVES WHICH COMBINATION OF TECHNOLOGY PARAMETERS LEAD THE BEST CAPEX & OPEX SOLUTION UP TO 10MW? Lionel Luyat Jean-Marc Tallard Nicolas Vial Jean-François Prud'homme															
CA-002	PCIC-2017-48	REPLACING INDUCTION MOTORS WITH CAGED ROTOR PERMANENT MAGNET MOTORS: APPLICATION CONSIDERATIONS & COST ANALYSIS Robert McEwen, Jr. Richard Hous William E. Martin				CA-007	PCIC-2017-51	EQUIPMENT PROTECTION LEVELS (EPLs), EQUIPMENT CATEGORIES AND AREA CERTIFICATION METHODS FOR ZONE CLASSIFIED LOCATIONS Ryan Wilson William G. Lawrence				CA-055	PCIC-2017-54	PROACTIVE STUDY AND MODEL MITIGATION OF MV POWER SYSTEM DAMAGE DUE TO SUB-POWER FREQUENCY FERRO-RESONANCE FOR A GAS PLANT Liam Anderson Thomas Dwyer Henrick G. Pariser, I David Ship															