

Monday, April 1, 2019	
7:00 AM	<b>Complimentary Breakfast</b> Location: Grand Ballroom CD
8:00 AM	<b>Session #1: 2019 AIChE Spring Meeting and 15th GCPS AGILE Award Keynote Address</b> Location: Grand Ballroom CD <b>Welcome and Introductions</b> Presented by <b>AIChE President</b> , AIChE President and <b>June C. Wispelwey</b> , AIChE Executive Director  AGILE Award Keynote Address: <b>“Presentation Title TBD”</b> Presented by <b>Sharon Beshouri</b> , VP Catalyst, Analytical and Refining Technology; Chief Engineer R&D Technical Function; President Shell Global Solutions (US) Inc.
9:00 AM	<b>Coffee and Networking Break</b> , Location: Grand Salon & Grand Ballroom AB
9:30 AM	<b>Session #2: 15<sup>th</sup> GCPS Welcoming Plenary Session</b> Location: Grand Ballroom CD <b>15<sup>th</sup> GCPS Introduction and Welcome: Shakeel Kadri</b> ( <i>Executive Director, CCPS</i> ) and <b>Robert W. Johnson</b> ( <i>GCPS Chair</i> ) <b>Programming Introductions</b> by: <b>Jennifer Mize</b> , 34 <sup>th</sup> Center for Chemical Process Safety (CCPS) International Chair <b>Morgan Reed</b> , 53 <sup>rd</sup> Annual Loss Prevention Symposium (LPS) Chair <b>Fred Gregory</b> , 21st Process Plant Safety Symposium (PPSS) Chair <b>Brenton Cox</b> , 8 <sup>th</sup> Process Safety Management Mentoring (PSMM) Chair <b>Wayne Chastain</b> , Process Safety Spotlights Chair <b>Andres F. Valencia</b> , Perspectives on Process Safety from Around the World Chair  Plenary Keynote Address Presented by <b>Matthew C. Koenings</b> , DuPont Vice-President of Operations and Chief Engineer, Retired – <b>“The Upside of UPSLI: Ensuring a Safer Industry Through Undergraduate Process Safety Education”</b>

	<b>34<sup>th</sup> Center for Chemical Process Safety International Conference (CCPS)</b>	<b>53<sup>rd</sup> Annual Loss Prevention Symposium (LPS)</b>	<b>21<sup>st</sup> Process Plant Safety Symposium (PPSS)</b>	<b>8<sup>th</sup> Process Safety Management Mentoring (PSMM)</b>	<b>Process Safety Spotlights</b>	<b>Perspectives on Process Safety from Around the Globe</b>
	<i>Session #8: How to Be the Bad Guy: Courageous Process Safety Leadership</i> Location: Chart B/C <b>Co-Chairs: John Wincek, Tracy Whipple</b>	<i>Session #7: Extreme Weather and Other External Events</i> Location: Quarterdeck <b>Co-Chairs: Pete Lodal, Chaitanya Gottimukkala</b>	<i>Session #9: Independent Protection Layers and Other Safeguards</i> Location: River/Starboard/Port <b>Co-Chairs: Philip M. Myers, Divya Narayanan</b>	<i>Session #12: Tutorials in LPS I - Concepts to Prevent Fires &amp; Explosions</i> Location: Kabacoff <b>Co-Chairs: Trey Morrison, Katie Mulligan</b>	<i>Session #11: Pressure Relief Design I</i> Location: Compass <b>Co-Chairs: Freeman Self, Srihari Magnti</b>	<i>Session #10: Portuguese Session: Avanços e perspectivas para a segurança de processos na Ibero-América: Gestão da Segurança de Processos baseada em Risco</i> Location: Chart A <b>Co-Chairs: Gustavo Correa, Sandro Roxo</b>
10:30 AM	Using Process Safety Tools to Find and Sell an Inherently Safer Design: A Case Study <b>Claire Fluegeman</b>	Analysis of Risk Due to Compound Extreme Events <b>Pat Harr</b>	Lifecycle Management of Protection Layers and Safeguards <b>Jack Chosnek</b>	Recognizing flammable sources in chemical processes <b>Robert Bellair</b>	Compressor Stations - Undersized Relief Devices <b>Aniket Patankar</b>	Approach of Human Factors in Risk Analysis and Operational Procedures: Stress Level Analysis of Operators in Performing Tasks <b>Luana Santos</b>
11:00 AM	Should Chemical Engineers Have More Influence on Safety Than They Do Now? <b>Richard Engler</b>	A Non-Stationary Approach to Conducting Site-Specific Integrative Risk Management Assessments at Industrial Facilities at Risk from Extreme Weather Events <b>Harri Kytomaa</b>	How to Prioritize Safeguards When They Are All Critical? <b>Ron Mukherjee</b>	Basics of Flammability – Crawl on Fire <b>Dan Crowl</b>	Modeling Shell Side Pressure Profiles for Heat Exchanger Tube Rupture Scenarios <b>Ahmed Harhara</b>	Functional Safety Management: The Yellow Brick Road to a Safe Plant. Gerenciamento Da Segurança Funcional: O Caminho Dourado Para Uma Planta Segura <b>Monica Hochleitner</b>
11:30 AM	Courageous Process Safety Leader: a Bad Guy <b>Rajender Dahiya</b>	Legal Liability Issues for Chemical Engineers Facing Extreme Weather Events <b>Mary Ellen Ternes</b>	Designing a Fluid Curtain System as an Independent Protection Layer <b>Marcel Amorós-Martí</b>	Ignition <b>Sam Rogers</b>	Design & Engineering Implementation of Pressure Relieving System of Cryogenic Carbon Dioxide Pilot Facilities <b>Abdullah Al Mubarak Md Jalil</b>	Process Safety Leading Indicators By Environmental Experts Point of View <b>Luana Santos</b>
12:00 PM	Luncheon with Speaker: <b>Bruce Chinne</b> , president of Chevron Oronite Company LLC. <b>“Diversity’s Role in Solving Technical Issues and Ensuring Technical Knowledge Transfer”</b> Location: Location: Grand Ballroom CD					

	<b>Session #26:</b> <b>Organizational and Leadership Issues in Process Safety</b> Location: Chart B/C <b>Co-Chairs: San Burnett, Steve Hawkins</b>	<b>Session #17: Facility Siting, Consequence Analysis, and Risk Assessment I</b> Location: Quarterdeck <b>Co-Chairs: Kathy Kas, Kathy Pearson</b>	<b>Session #21: Identifying Hazards – Practical Approaches and Techniques I</b> Location: River/Starboard/Port <b>Co-Chairs: Jack Chosnek, Rae-Ann Joseph</b>	<b>Session #31: Tutorials in LPS II - Concepts to Prevent Fires &amp; Explosions</b> <b>Location: Kabacoff</b> <b>Co-Chairs: Trey Morrison, Jessica Morris</b>	<b>Session #27: Pressure Relief Design II</b> Location: Compass <b>Co-Chairs: Davide Moncalvo, Haribabu Chittibabu</b>	<b>Session #30: Spanish Session: Avances y perspectivas de la seguridad de proceso en Iberoamérica: Gestión del la seguridad de procesos con base en riesgo</b> Location: Chart A <b>Co-Chairs: Andres F. Valencia, Eliana Berroteran</b>
1:30 PM	A Leadership Vision for Accelerating Learning from Past Lessons to Create a Future Free of Incidents <b>David A. Jones</b>	Deflagrations by Design <b>Darren Malik</b>	Think a BIT – Process Safety Excellence through Incident Barrier Based Inspection and Training <b>Majed Al-Mutairi</b>	Inerting & Purging & Combustible Control <b>Tom Spicer</b>	Pressure Relief Valves - Restricting Capacity to Mitigate Oversizing <b>Bill Atkins</b>	Disciplina total incondicional”. Reduciendo incidentes trabajando con indicadores proactivos Tier-4 <b>Sergio Daniel Gavin</b>
2:00 PM	Dow's Life Critical Standards - Making Them Easier to Follow <b>John Dizer</b>	Inherent Safety – How to Utilize Explosion Hazard Analyses As an Early Tool to Improve FPSO and FLNG Design <b>Scott Davis</b>	PHAs at Identical Plants: Why Aren't They the Same? <b>Mike Schmidt</b>	Pool Fires, Deflagrations and Detonations <b>Derek Miller</b>	Optimal Placement of Relief Devices for Hydrogen Peroxide Pipeline Protection <b>Daniel Nguyen</b>	Seguridad y medio ambiente como valor! Un camino para la toma de decisiones basada en riesgo <b>Juan Manuel Fernández</b>
2:30 PM	Process Safety Risk Prioritization and Auditing 3rd Party Manufacturers and Suppliers <b>Bill Mosier</b>	Interpretation of Damage Caused by a Vapour Cloud Explosion <b>Michael Johnson</b>	Management of Hazardous Materials Risks for New Project <b>Fahad Alshammari</b>	Fire & Explosion Suppression and Extinguishing <b>Jeramie W. Morris</b>	Low Pressure Does Not Equal Low Risk: Strategies to Protect Tanks Against Overpressure and Undervacuum <b>Todd W. Drennen</b>	Entendiendo los riesgos de ciberseguridad y su conexión e impacto con la seguridad de Procesos <b>John Rueda</b>
3:00 PM	<b>Coffee and Networking Break, Location: Grand Salon &amp; Grand Ballroom AB</b>					

	<b>Session #51: Using Process Safety Metrics and Data to Drive Improvement</b> Location: Chart B/C <b>Co-Chairs: David Cummings, Jeff Fox</b>	<b>Session #: #43: Facility Siting, Consequence Analysis, and Risk Assessment II</b> Location: Quarterdeck <b>Co-Chairs: Kathy Kas, Kathy Pearson</b>	<b>Session #44: Identifying Hazards – Practical Approaches and Techniques II</b> Location: River/Starboard/Port <b>Co-Chairs: Jack Chosnek, Rae-Ann Joseph</b>	<b>Session #50: Tutorials in PPSS I – RBPS Elements: Culture, Competency, and Procedures</b> Location: Kabacoff <b>Co-Chairs: Bill Mosier, Chris Israni</b>	<b>Session #46: Pressure Relief Design III</b> Location: Compass <b>Co-Chairs: Nirupama Gopalaswami, Ray Mentzer</b>	<b>Session #49: Spanish Session: Avances y perspectivas de la seguridad de proceso en Iberoamérica: Análisis de riesgo y toma de decisiones</b> Location: Chart A <b>Co-Chairs: Andres F. Valencia, María Isabel Montoya</b>
3:30PM	Don't Let Your Safe Operating Limits Leave You S-O-L (Out of Luck) <b>Todd Stauffer</b>	Automated Methods in Sizing of Relief Vent Stacks Based on Proximity to Occupied Structures <b>Michael James</b>	PHA Quality – Mining the Hidden Risks! <b>Susan Barney</b>	Best Practices in Process Safety Culture <b>Steve Arendt</b>	Comparison between Steady State and Dynamic Pressure Relief Calculations <b>Neil Prophet</b>	Mejores prácticas de PHA: Actualización de los estándares de PHA de lo que se creían que eran mejores prácticas a lo que realmente son <b>Sergio Fernandez</b>
4:00 PM	Metrics Driven Decision Making Improves Performance at Wheatstone LNG <b>Elise Diaz</b>	What Is My Flare Header Capacity, Really? Best Practices for Flare QRA Tools <b>Benjamin Pratt</b>	Avoiding Quality Pitfalls for HAZOP/LOPA Sessions and Documentation <b>Steven T. Maher</b>	Best Practices in Process Safety Competency Development <b>Elliot Wolf</b>	Common Misunderstanding of Overpressure Protection Scenarios for Pressure Relief Valves <b>Anupol Paiboonruamsilp</b>	Principales deficiencias en los PHAs en Argentina (y la región) y cómo abordarlas <b>Matias A. Massello</b>
4:30 PM	How to Implement a System That Gives Empowerment of Operators and Create Culture of Performance and Accountability in Process Safety, Reliability and Profitability <b>Claudio Schlosser</b>	Using Process Simulators to Quantify Flashing Two Phase Release Conditions <b>Thomas O. Spicer III.</b>	Practical Strategies to Prepare and Lead HAZOP Analysis of Complex Chemical and Petrochemical Processes <b>Marco-Antonio Medrano</b>	Best Practices in Operating Procedures <b>Steve Hawkins</b>	Evaluating Relief Requirements for Reactive Processes with Unstable Intermediates <b>Stacy Fields</b>	Compromiso con la seguridad de los procesos <b>Pablo Morales &amp; Henry Pistagnesi</b>
5:00 PM	<b>Session #54 - 55: Spring Meeting &amp; GCPS Poster Session and Cocktail Reception (Includes electronic presentations of select posters)</b> <b>Co-Chairs: Michell LaFond, Irfan Shaikh</b> Location: Grand Salon & Grand Ballroom AB					

Tuesday, April 2, 2019						
	<b>34<sup>th</sup> Center for Chemical Process Safety International Conference (CCPS)</b>	<b>53<sup>rd</sup> Annual Loss Prevention Symposium (LPS)</b>	<b>21<sup>st</sup> Process Plant Safety Symposium (PPSS)</b>	<b>8<sup>th</sup> Process Safety Management Mentoring (PSMM)</b>	<b>Process Safety Spotlights</b>	<b>Perspectives on Process Safety from Around the Globe</b>
	<i>Session #66: Extract the Most Value from Your Incident Investigations</i> Location: Chart B/C <b>Co-Chairs: Jim Klein, Seshu Dharmavaram</b>	<i>Session #67: Fires, Explosions, and Reactive Chemicals I</i> Location: Quarterdeck <b>Co-Chairs: Derek Miller, Min Sheng, Manuel Herce</b>	<i>Session #70: New Ideas in Process Safety</i> Location: River/Starboard/Port <b>Co-Chairs: Brooke Beveridge, Victor Carre</b>	<i>Session #75: Process Safety Management Mentoring for Mentors (PSM<sup>3</sup>)</i> Location: Kabacoff <b>Co-Chairs: Ray Mentzer, John Herber</b>	<i>Session #68: Integration of Human Factors into Risk Assessment I</i> Location: Compass <b>Co-Chairs: Terry Waldrop, Enzo Marrella</b>	<i>Session #74: Process Safety Activities in China I</i> Location: Chart A <b>Co-Chairs: Dong Feng Zhao, Yi Fei Meng</b>
8:00 AM	Getting Incident Investigations Right <b>Mike Schmidt</b>	Caribbean Petroleum Explosion Case Study <b>Quentin Baker</b>	Siri, How to Design a Procedure – Integration of Natural Language Processing in Procedure Design <b>Nilesh Ade</b>	Do we REALLY need more Process Safety Leaders? The Criticality of Effective Followership <b>Pete Lodal</b>	Humans Make Mistakes...Which Cause Events <b>Michelle L. Brown</b>	How Safety Culture Driving the Improvement of Process Safety Competencies in Wanhua <b>Michael Chen</b>
8:30 AM	Using Feedback to Improve the Quality of Your Incident Investigations <b>A.M. (Tony) Downes</b>	Case Study – Characterizing and Averting Risk of Catastrophic Vessel Failure for a Reaction in Dimethyl Sulfoxide <b>Megan Roth</b>	The Frontline Reality of Process Safety Risk: Two Case Studies on Implementing Operational Risk Management Systems <b>Simon Jones</b>	Industrial – Academic Collaboration to Teach Chemical Process Safety <b>C. Aiken, K. Hohn</b>	The Influence of Cognitive and Motivational Biases While Establishing Consensus during a HAZOP <b>Kathryn Grant</b>	How we can use Artificial Intelligence (AI) Technology to Assist Process Safety? Opportunities and Prospects <b>Lei Wang</b>
9:00 AM	Cultural Cause Analysis - Mapping Process Safety Incident/Performance Data to Cultural Causal Factors <b>Laura Jackson</b>	Investigation of a Polymeric Resin Deflagration Using Advanced Calorimetric Techniques <b>Katie Mulligan</b>	“Just the Facts” a Bad Way to Communicate Process Safety <b>T.J. Larkin</b>	Reliance Journey on Implementation of a Comprehensive Competency Development and Assurance System (CAS) in Downstream <b>Mat Malladi</b>	Best Practices for Addressing Human Factors during PHAs/Hazops <b>William Bridges</b>	Analysis of Shell Moerdijk Accident by Systems-Theoretic Accident Model and Processes and Bowtie Analysis <b>Jao-Jia Horng</b>
9:30 AM	<b>Coffee and Networking Break</b> , Location: Grand Salon & Grand Ballroom AB					

	<b>34<sup>th</sup> Center for Chemical Process Safety International Conference (CCPS)</b>	<b>53<sup>rd</sup> Annual Loss Prevention Symposium (LPS)</b>	<b>21<sup>st</sup> Process Plant Safety Symposium (PPSS)</b>	<b>8<sup>th</sup> Process Safety Management Mentoring (PSMM)</b>	<b>Process Safety Spotlights</b>	<b>Perspectives on Process Safety from Around the Globe</b>
	<i>Session #88: Good, Fast, Cheap – Pick 2: PSM Challenges in Capital Projects</i> Location: Chart B/C <b>Co-Chairs: Rainer Hoff, Sean Dee</b>	<i>Session #86: Fires, Explosions, and Reactive Chemicals II</i> Location: Quarterdeck <b>Co-Chairs: Derek Miller, Min Sheng, Manuel Herce</b>	<i>Session #95: Process Safety Culture – Working Through a Transformation</i> Location: River/Starboard/Port <b>Co-Chairs: Kathy Shell, Nicole Loontjens</b>	<i>Session #96: Tutorials in CCPS I – Hazard Control</i> <b>Location: Kabacoff</b> <b>Co-Chairs: Wayne Garland, Debangsu Ray</b>	<i>Session #90: Integration of Human Factors into Risk Assessment II</i> Location: Compass <b>Co-Chairs: Terry Waldrop, Enzo Marrella</b>	<i>Session #94: Process Safety Activities in China II</i> Location: Chart A <b>Co-Chairs: Dong Feng Zhao, Yi Fei Meng</b>
10:15AM	Incorporating Process Safety throughout the Lifecycle of Major Capital Projects <b>Bebe Kueh</b>	How Effective are Safety Gaps at Mitigating Explosions: Largest Scale Testing of safety Gaps to Prevent DDTs <b>Scott Davis</b>	The Butterfly Effect - a Case Study on One Company's Transformation of a Process Safety Program <b>Jeff DeWald</b>	Return to Operation--Key for Flawless Start up <b>Dipankar Bandyopadhyay</b>	Set Your Operators up for Success: Practical Guidelines for Addressing Human Factors in PHA Causes and Protection Layers <b>Richard Carter</b>	Deficiencies and Prospects of Safety Management in China's Chemical Enterprises <b>Jiangbo Jiu</b>
10:45 AM	Embracing Complexity and Managing Risk: PSM Challenges in Specialty Chemical Innovation <b>Lauren Moyer</b>	Role of Fire Codes and Standards in Hazard Management from Fire, Explosion, and Reactivity Hazards <b>Guy Colonna</b>	Where There Is a Will There Is a Way: a Story of Organizational Transformation <b>Palaniappan Chidambaram</b>	Study of the Initiator Mischarging Effect on Runaway Reaction of Styrene Polymerization <b>Lin Zhao</b>	Accounting for Emergent Failure Paths in LOPA <b>Dave Grattan</b>	Air Product-Lessons Learned from a Dust Hazard Analysis at a Joint Venture Site in China <b>Julie Kister</b>
11:15 AM	Guidelines for Integrating Process Safety into Engineering Projects <b>Mike Broadribb</b>	Assessment of Battery Energy Storage Systems <b>Bjorn Nillberg</b>	Frontline Supervisors Are the Safety Culture <b>Renato Prestes</b>	A Semi-Quantitative Tool to Estimate the Risk of Dust Fire or Explosion from Process Equipment <b>Emmanuel Addai</b>	Human Factors - What Role Should They Play in Risk Assessment and How Should They be Handled <b>David Rowe</b>	Application of Safety Management Information System in HSSE Management System of Sinopec <b>Yang Xu Sr.</b>
11:45 AM	Luncheon with Speaker: <b>Sunita Satyapal</b> , Director of the U.S. Department of Energy's Fuel Cell Technologies Office, at the Office of Energy Efficiency and Renewable Energy <b>"Hydrogen Safety"</b> Location: Grand Ballroom CD					

	<b>34<sup>th</sup> Center for Chemical Process Safety International Conference (CCPS)</b>	<b>53<sup>rd</sup> Annual Loss Prevention Symposium (LPS)</b>	<b>21<sup>st</sup> Process Plant Safety Symposium (PPSS)</b>	<b>8<sup>th</sup> Process Safety Management Mentoring (PSMM)</b>	<b>Process Safety Spotlights</b>	<b>Perspectives on Process Safety from Around the Globe</b>
	<i>Session #114: Process Safety Management Challenges with Infrastructure and Facility Siting</i> Location: Chart B/C <b>Co-Chairs: Don Connolley, Eric Freiburger</b>	<i>Session #103: Fires, Explosions, and Reactive Chemicals III</i> Location: Quarterdeck <b>Co-Chairs: Derek Miller, Min Sheng, Manuel Herce</b>	<i>Session #104: Human Reliability and Performance I</i> Location: River/Starboard/Port <b>Co-Chairs: Karen Study, Laura Ankrom</b>	<i>Session #117: What Should Be Keeping You Up At Night But Isn't</i> Location: Kabacoff <b>Co-Chairs: Myron Carlson, Faraz Khan</b>	<i>Session #106: Instrumented Protective Systems</i> Location: Compass <b>Co-Chairs: Tab Vestal, Jim Garrison</b>	<i>Session #115: Spanish Session: Avances y perspectivas de la seguridad de proceso en Iberoamérica: Análisis de consecuencias y planes de emergencia</i> Location: Chart A <b>Co-Chairs: Andres F. Valencia, Sergio Fernández</b>
1:30 PM	Two Plants, One Fence Line: Understanding Process Safety Management Responsibilities in Shared Facilities <b>Matthew S. Walters</b>	CFD Modeling of Liquid Jet Fire <b>Jin Zhao</b>	Everything You Need to Know about Human Reliability for Process Safety <b>William Rhodes</b>	Building Hazard Recognition Competency <b>Michael Fleming</b>	Why Choose a Race Car When Economy Will Do - Competency with Safety Instrumented Systems <b>James Torres</b>	Comparación de los resultados de los análisis de riesgo y consecuencias en sistemas de transporte de refinados y GLP <b>Maria Montoya</b>
2:00 PM	Strathcona County's Industrial Engagement Program: Leading the Way Using the MIACC Model <b>Modusser Tufail</b>	Ignition Phenomenon: From Electrostatics to Electrical Discharge <b>Eric Peterson</b> <i>Physical Safety</i>	Leveraging Augmented Reality to Minimize Operational Error: The Rise of Operator 2.0 <b>Michael Thompson</b>	Ignorance Is Not Bliss with Reactive Chemical Hazards <b>Amy Theis</b>	Perfecting Proof Test Effectiveness; How More Extensive Testing Can Improve Safety and Reduce Cost! <b>Iwan VanBeurden</b>	Desarrollo de planes de emergencia para proyectos de inversión externa <b>Yaneira Saud</b>
2:30 PM	Beyond VCE: Addressing Fire Hazards As Part of Facility Siting <b>Ellen Wilensky</b>	Understanding the Potential for Detonations in Large-Scale Vapor Cloud Explosions <b>Carl Bauwens</b>	Safe Operations Using Advanced Operator Graphics <b>Anais Lowe</b>	Process Safety Improvements: Things That Help Me Sleep at Night <b>Joe Stevens</b>	Sil-3, Sil-2, and Unicorns (there is a 99% chance your SIL 2 and SIL 3 have no better performance than SIL 1) <b>William Bridges</b>	Enfoque Multi-Amenaza Para Abordar Peligros Natech <b>Adriana Mesa Sr.</b>
3:00 PM	<b>Coffee and Networking Break</b> , Location: Grand Salon & Grand Ballroom AB					

	<b>Session #125: Are You Sure Those Protection Layers Work?</b> Location: Chart B/C <b>Co-Chairs: Rob Coover, Fred Henselwood</b>	<b>Session #128: Combustible Dust Hazards and Their Mitigation</b> Location: Quarterdeck <b>Co-Chairs: Henry Dwight, Amy Gray</b>	<b>Session #132: Human Reliability and Performance II</b> Location: River/Starboard/Port <b>Co-Chairs: Karen Study, Laura Ankrom</b>	<b>Session #139: The Day PSM Hit Home</b> <b>Location:</b> Kabacoff <b>Co-Chairs: Scott Haney, Mark Wingard</b>	<b>Session #131: Facility Siting Studies</b> Location: Compass <b>Co-Chairs: Nirupama Gopalaswami, Susan Behr</b>	<b>Session #122: Spanish Session: Avances y perspectivas de la seguridad de proceso en Iberoamérica: Sistemas instrumentados</b> Location: Chart A <b>Co-Chairs: Felipe Muñoz, Pablo Morales</b>
3:45 PM	Confirming the SIS Layer of Protection <b>Denise Chastain-Knight</b>	Applying Risk Principles to Combustible Dust Operations at a Multinational Manufacturer <b>Jeremy Lebowitz</b>	Enhancing Behavior-Based Safety Culture through Casual Safety Observations <b>Jennifer N. Boice</b>	My Story: Living Through a Major Chemical Plant Explosion <b>Ron Lewis</b>	Facility Siting, a Practical Approach <b>Yaneira Saud</b>	Control avanzado de procesos (APC): Una herramienta de entrenamiento y aseguramiento del desempeño en la implementación de seguridad de procesos con base en riesgo (RBPS) <b>Andrés Valencia</b>
4:15 PM	Crediting Check Valves As IPLs? a Testing Protocol to Better Understand Check Valve Reliability <b>Jody Olsen</b>	3D Printing – Unique Hazards When Metal Dust Is Created <b>Mohammed Alam</b>	Case Studies on the Results of Digital Procedure Solution Implementation <b>Elliott Lander</b>	The 1995 NAPP Explosion and the Future of the Chemical Safety Board <b>Rick Engler</b>	Designing an Effective Detection and Mitigation System for a Plant Build on Facility Siting Study and QRA <b>Murtaza Gandhi</b>	La gestión del cambio del Sistema Instrumentado de Seguridad y su impacto con el riesgo <b>Alejandro Esparza</b>
4:45 PM	Safeguard Meters within Chevron <b>Vincent Attanucci</b>	Combustible Dust Hazards, Mitigations, and Pitfalls <b>David Rowe</b>	A Practical Approach to Improving Human Factors in the Operation and Maintenance of Automation Systems <b>Eloise Roche</b>	The Day I Got a Second Chance <b>George King</b>	The Good, the Bad and the Ugly- Importance of Management of Change (MOC) in Building Siting <b>Vinicius Simoes</b>	Como implementar un sistema de gestion de competencias de seguridad funcional en la industria de procesos? <b>Eliana Berroteran</b>



Wednesday, April 3, 2019						
	34 <sup>th</sup> Center for Chemical Process Safety International Conference (CCPS)	53 <sup>rd</sup> Annual Loss Prevention Symposium (LPS)	21 <sup>st</sup> Process Plant Safety Symposium (PPSS)	8 <sup>th</sup> Process Safety Management Mentoring (PSMM)	Process Safety Spotlights	Perspectives on Process Safety from Around the Globe
	<i>Session #140: Achieving Success in Process Safety, Beyond Compliance I</i> Location: Chart B/C <b>Co-Chairs: Chris Israni, Lauren Moyer</b>	<i>Session #147: Emerging Topics and Technologies I</i> Location: Quarterdeck <b>Co-Chairs: Elliot Wolf, Qingsheng Wang</b>	<i>Session #149: Equipment Reliability and Inspection Practices</i> Location: River/Starboard/Port <b>Co-Chairs: Steve Emerson, Rahul Raman</b>	<i>Session #155: Tutorials in PPSS II - RBPS Elements: HIRA, Asset Integrity and Reliability, and Compliance</i> Location: Kabacoff <b>Co-Chairs: Rao Akula, Janet Evans</b>	<i>Session #144: Augmenting Process Safety Performance through Big Data Digitalization I</i> Location: Compass <b>Co-Chairs: Bruce Hardy, Eric Peterson</b>	<i>Session #151: Japan's Process Safety Progress</i> Location: Chart A <b>Co-Chairs: Shigeyuki Tanaka, Junichi Kanai</b>
8:00 AM	Trust as Currency <b>Paul Gathright</b>	Driving Transformation in Process Industries through Materials and Chemicals Informatics <b>Daniel Chrste</b>	Case Study: Qualitative Risk Assessment of a Refrigeration System <b>Robert Sladek</b>	PHA Draft Review Guidance <b>Sean Classen</b>	Safe and Optimised Operations through Smart Analytics & Big Data <b>Karl McManus</b>	Process Safety Initiatives in Jxtg Nippon Oil & Energey Corporation <b>Tomoya Ohtani</b>
8:30 AM	Employee Training: Beyond Compliance <b>Brian Desrosiers</b>	Carol Robotic Catalyst Unloading Results from Field Trials <b>Chris Jansen</b>	Managing Reliability of Ethane Crackers Using DMR, RBI, and IOWs <b>Vibha Zaman</b>	Safety Integrity Level Determination and Categorization <b>Anca Elena Costea</b>	Don't Worry!! Laboratory Safety Is Fun Do, Let's Play a Mobile Game <b>Nishaben Desai Dholakiya</b>	Analysis of Spontaneous Ignition in Various Polymer Resin <b>Takashi Odagiri</b>
9:00 AM	Reevaluating the Permit to Work Process through the Human Reliability Lens <b>Alyse Keller</b>	Using Unmanned Aerial Vehicles and Robotics in Hazardous Locations Safely <b>Kathy Kas</b>	Quantitative Risk Based Methodology for Pressure Relief Valve (PRV) Inspection Optimization <b>Hassan Sadeghi</b>	Implications of the International Building and Fire Codes on New and Existing Processes and Structures <b>Michael Snyder</b>	Leveraging Advanced Data Analytics to Improve Process and Plant Safety <b>Charles Fialkowski</b>	Improvement of Piping Integrity Management with Advanced Technology <b>Suguru Koyanagi</b>
9:30 AM	<b>Coffee and Networking Break</b> , Location: Grand Salon & Grand Ballroom AB					

	<b>Session #161: Achieving Success in Process Safety, Beyond Compliance II</b> Location: Chart B/C <b>Co-Chairs: Scott Dean, Andrew Goddard</b>	<b>Session #165: Emerging Topics and Technologies II</b> Location: Quarterdeck <b>Co-Chairs: Elliot Wolf, Qingsheng Wang</b>	<b>Session #160: Using Near Miss and Minor Incident Data for Process Improvement</b> Location: River/Starboard/Port <b>Co-Chairs: Neha Rajan, Vic Edwards</b>	<b>Session #176: Tutorials in CCPS II – Applying PSM</b> Location: Kabacoff <b>Co-Chairs: Wayne Garland, Sachin Punekar</b>	<b>Session #162: Augmenting Process Safety Performance through Big Data Digitalization II</b> Location: Compass <b>Co-Chairs: Bruce Hardy, Eric Peterson</b>	<b>Session #169: Korea Session: Effective Implementation of PSM and Its Utilization</b> Location: Chart A <b>Co-Chairs: II Moon, Hyuckmyun Kwon</b>
10:15 AM	Conducting Quality Process Safety Management Audits – Globally <b>Mike Munsil</b>	Application of Visual Flame Detection and Hazard Mapping to Large Atmospheric Storage Tanks <b>Jim Scoggins</b>	Forecasting of Major Incidents Based on Big Data of Near Misses and Minor Incidents: Heinrichs Vs. Deep Learning <b>Dongil Peter Shin</b>	Process Safety, the Journey Is Most Important! <b>James Martin</b>	Alarm Management Using Data-Driven Methods <b>Pankaj Goel</b>	Capacity Building of Risk Communication with the Local Community in RMP (risk management plan) <b>Junheon Yoon</b>
10:45 AM	High Performance in Process Safety: A Balanced Approach <b>Coen van Driel</b>	Improved Modeling of Continuous Gas Releases of Finite Duration <b>Jessica Morris</b>	Opportunities to Enhance Barrier Management through Incident Analysis <b>Fabian Zitman &amp; Emma Verschoor</b>	Error Propagation and Uncertainty Analysis: Application to Fault Tree Analysis <b>Raymond "Randy" Freeman</b>	Finding Unknown Anomalies before They Risk Process Safety <b>Tim Holtan</b>	A Decision Making Model for Chemical Accident Responses Based on Machine Learning <b>Chuntak Phark</b>
11:15 AM	Implementing Process Safety Critical Roles (PSCR) to Reduce Risk <b>Andrew Wilson</b>	Bringing It All Together: The Emergence of Operation Risk Management Systems <b>Scott Lehmann</b>	Development, Implementation and Use of a Process Safety Incident Identification and Capture System within a Utility Context <b>Brendan Bleasdale</b>	Effective PSM on Small Capital Projects <b>Kerie Bowen</b>	Digitalization in Process Safety: Fire Risk Prediction Analytics <b>Sulo Belawan</b>	The Changes of PSM(Process Safety Management) System in Republic of Korea <b>Jae min Ryu</b>
11:45 AM	Luncheon with Speaker: <b>Gavin Towler</b> , Vice President and Chief Technology Officer, Honeywell Performance Materials Technologies <b>“Integrated Safety Management - Taking Safety Performance to the Next Level”</b> Location: Grand Ballroom CD					
	<b>Session #183: Case Histories and Lessons Learned – GCPS Joint Session</b> Location: Grand Ballroom CD <b>Co-Chairs: Jerome Taveau, Jerry Forest, John Champion</b>					
1:30 PM	Presentation of the <b>William H. Doyle Award for LPS Best Paper Award, PPSS Best Paper Award, and CCPS Best Paper Award</b>					
1:45 PM	When Emergency Response Goes Fatally Wrong: Lessons Learned from Investigating Two Major Incidents – <b>Scott Davis</b>					
2:15 PM	Major Explosion at a Chemical Company in China: The Causes and Lessons Learned – <b>Wei Wang</b>					
2:45 PM	Taming the Wild River Rapids: How Process Safety Can Apply Outside the Process Industries – <b>Trish Kerin</b>					
3:15 PM	<b>Break</b>					
3:30 PM	Fatal Toxic Chemical Release at Dupont – <b>Tamara Qureshi</b>					
4:00 PM	Explosion at BASF Ludwigshafen - Findings and Lessons Learned – <b>Gregg Matthew Kühne</b>					
4:30 PM	Hurricane Harvey 20 Months Later - Insights on the Arkema Crosby Flooding – <b>Andrew Goddard &amp; Eric Tilles</b>					
5:00 PM	<b>GCPS Concluding Remarks</b>					