

Monday, March 27, 2017

7:00 AM	Continental Breakfast Location: Conv. Ctr. Lila Cockrell Theatre Foyer
8:00 AM	Session #1: 2017 AIChE Spring Meeting and 13th GCPS AGILE Award Keynote Address Location: Conv. Ctr. Lila Cockrell Theatre Welcome and Introductions Presented by Bond Calloway , AIChE President and June C. Wispelwey , AIChE Executive Director AGILE Award Keynote Address: “Chemical Engineers Can Do Anything.” Presented by John Y. Televantos , Partner, Arsenal Capital Partners
9:15 AM	Coffee and Networking Break , Location: Conv. Ctr. Exhibit Hall 3
9:40 AM	Session #5: 13th GCPS Welcoming Plenary Session Location: Conv. Ctr. Lila Cockrell Theatre 13th GCPS Introduction and Welcome: Shakeel Kadri (<i>Executive Director, CCPS</i>) and Jeffrey L. Fox (<i>GCPS Chair</i>) Presentation of the William H. Doyle Award for LPS Best Paper Award, PPSS Best Paper Award, and CCPS Best Paper Award

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	32 nd Center for Chemical Process Safety International Conference (CCPS)	51 st Annual Loss Prevention Symposium (LPS)	19 th Process Plant Safety Symposium (PPSS)	6 th Process Safety Management Mentoring (PSMM) Forum	Process Safety Spotlights	Perspectives on Process Safety from Around the Globe
	<p><i>Session #8: Commit to Process Safety – Enabling a Process Safety Culture</i> Location: Conv. Ctr. 217AB Co-Chairs: Samantha Scruggs, Sunil Lakhiani</p>	<p><i>Session #11: Novel Topics in Loss Prevention – Future of Process Safety</i> Location: Conv. Ctr. 217CD Co-Chairs: Jatin Shah, Morgan Reed</p>	<p><i>Session #14: Process Hazard Analysis – the Good, the Bad, the Ugly</i> Location: Conv. Ctr. 214CD Co-Chairs: Sandipan Laskar, Karen Study</p>	<p><i>Session #17: Tutorials in Process Safety – LPS I</i> Location: Conv. Ctr. 214AB Co-Chairs: Trey Morrison, Myron Carlson</p>	<p><i>Session #13: Panel: Safety & Sustainability - Best Practices</i> Location: Conv. Ctr. 216AB Co-Chairs: Hebab Quazi, Eric Peterson</p>	<p><i>Session #16: Spanish Session: Compartiendo conocimientos y experiencias sobre Seguridad de Procesos I</i> Location: Conv. Ctr. 218 Co-Chairs: Nestor Sposito, Felipe Muñoz</p>
10:30 AM	<p>Reducing Process Safety Events – an Approach Proven by Sustainable Results <i>Sheila F. Van Geffen</i></p>	<p>Data Visualization Connecting Big Data to Integrate Every Level of the Organization- Messaging, Action and Opportunities! <i>John DeGiovanni</i></p>	<p>Recipe for a Complete Process Hazard Analysis – Especially Addressing the Key Demands from US CSB <i>Revonda Tew</i></p>	<p>Dan Crawl on Fire – Basics of Flammability <i>Daniel A. Crawl</i></p>	<p>“Building Bridges Between Safety and Sustainability in Our Industries <i>Otis Shelton</i></p>	<p>La Divulgación a Las Partes Interesadas, Elemento Clave De Las Estrategias De Seguridad De Proceso. Experiencias en Latinoamérica <i>Néstor Spósito & Iris Poffo</i></p>
11:00 AM	<p>Building a Group Process Safety Management System for a Non-Chemical Industry <i>Marc Massant</i></p>	<p>Leadership in Catastrophic Incident Prevention – Using Organizational Data to Assess and Respond to High Reliability Loss Prevention Precursors <i>Michael Snyder</i></p>	<p>When the Fail Open Valve Fails Closed: Lessons from Investigating the "Impossible" <i>Brenton Cox</i></p>	<p>How Do Flame Arresters Work? <i>Matt Barfield</i></p>	<p>Regulations vs Practices in Safety in the US Industries <i>Sam Mannan</i></p> <p>IfS Index & Industry Practices in Sustainability <i>Darlene Schuster</i></p>	<p>Aplicación De Seguridad De Procesos En Las Operaciones De Transporte Aéreo Del Sistema De Transporte Por Ductos Del Proyecto De Camisea <i>Johnny Palma Aguiar</i></p>
11:30 AM	<p>How Culture Affects the Implementation of Process Safety Program Elements <i>Michael Hazzan</i></p>	<p>Battle for the Soul of Process Safety: How to Align the Brain and the Organization to Improve PS Outcomes <i>Angus Keddie</i></p>	<p>Process Hazard Analysis – Are Studies in Itself Good Enough to Reduce Risk? <i>Palaniappan Chidambaram</i></p>	<p>BLEVE Basics, A Primer on Boiling Liquid Expanding Vapor Explosions <i>Adrian Pierorazio</i></p>	<p>Global Trend in Safety Practices <i>Trish Kerin</i></p>	<p>Sistema Integral De Formación Operativa - Sifo - Seguridad Operativa En Plantas Gestión Del Conocimiento <i>Luis Saavedra</i></p>
12:00 PM	<p>Luncheon with Speaker: Billy Bardin, <i>M&E Technology Director, The DOW Chemical Company</i> – “Industry 4.0 – Challenge and Opportunity for the Chemical Industry” Location: Conv. Ctr. Stars at Night Ballrooms B1& B2</p>					

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	<p>Session #22: Commit to Process Safety—Competence and Capability Location: Conv. Ctr. 217AB Co-Chairs: John Wincek, James Klein</p>	<p>Session #25: Fires, Explosions and Reactive Chemicals I Location: Conv. Ctr. 217CD Co-Chairs: Trey Morrison, Henry Febo</p>	<p>Session #33: Using Data from Incident Investigations, Risk Assessments, and Mechanical Integrity to Improve Process Safety Performance Location: Conv. Ctr. 214CD Co-Chairs: Rainer Hoff, Jeff Stawicki</p>	<p>Session #32: Tutorials in Process Safety – CCPS I Location: Conv. Ctr. 214AB Co-Chairs: Scott Berger, Ray Qi</p>	<p>Session #30: Safety & Sustainability - Visions Through to 2030: How Do We Get There? Location: Conv. Ctr. 216AB Co-Chairs: Hebab Quazi, Eric Peterson</p>	<p>Session #31: Spanish Session: Compartiendo conocimientos y experiencias sobre Seguridad de Procesos II Location: Conv. Ctr. 218 Co-Chairs: Nestor Sposito, Felipe Muñoz</p>
1:30 PM	<p>Ensuring Learning (Not Just Training – Measuring the Impact of Learning on Business Performance <i>A. Ariawan & L. Short</i></p>	<p>Large Scale Flammability and Explosivity Testing of Low Burning Velocity Gases: Validity of Prediction Tools and Impact on Siting Studies and Risk Assessments <i>Scott Davis</i></p>	<p>Last Line of Defense – Improving Our Step Back 5x5 <i>Simon Roberts</i></p>	<p>A Proposal for Improving the Efficiency, Effectiveness, Quality, and Usefulness of PHA Identification of Controls <i>Keith Lennon</i></p>	<p>Meeting the Future Technical Training Challenges of a Changing Workforce <i>Stewart Behie</i></p>	<p>Aplicación De Las Alarmas Críticas De Procesos (CON Respuesta Del Operador) En Las Industrias De Alto Riesgo <i>Ana María Macías Juárez & Rufino Perea Lorenzo</i></p>
2:00 PM	<p>Tridimensional Training Matrix to Improve Process Safety Performance and Assure All Organization Involved in PSM Implementation <i>Americo Diniz Carvalho Neto & Isadora Correa</i></p>	<p>Hydrogen Jet Vapor Cloud Explosion: a Model for Predicting Blast Size and Application to Risk Assessment <i>Simon Jallais</i></p>	<p>A Statistical Approach for Using Test and Inspection Results to Adjust Maintenance Strategies <i>William M. Bradshaw</i></p>	<p>Cost-Effective Human Factors Tools to Reduce Plant Costs and the Risk of Injuries <i>Dennis Attwood</i></p>	<p>How Sustainable Is Safety – a Case Comprehension <i>Chris Israni</i></p>	<p>Administración De Emergencias De La Respuesta a La Prevención y Elemento De La Seguridad De Procesos a Sinergias Con La Norma NFPA 1600. Experiencias De Aprendizaje <i>Nestor Sposito & Dean Larson</i></p>
2:30 PM	<p>Experiences in Development and Deployment of a Process Safety Curriculum in a North American Pipeline Co. <i>Ruth Uy</i></p>	<p>Aerosol Generation Approach and Aerosol Combustion Behavior Study <i>Shuai Yuan</i></p>	<p>Using Data-based Indicators to Improve Process Safety Performance <i>Erin Collins</i></p>	<p>Selection of Cases for Atmospheric Dispersion Modeling <i>Thuc Ngo</i></p>	<p>Are Our Current Safety Challenges Different Than 1974 or 1984? Have We Really Learnt from Accidents? <i>Rajender Dahiya</i></p>	<p>Uso De Dos Técnicas PHA Para Identificar y Tratar Los Riesgos De Incendio, Explosión y BLEVE En Una Vasija De Almacenamiento De Propano <i>Jamie E. Cadena</i></p>
3:00 PM	<p>Coffee and Networking Break, Location: Conv. Ctr. Exhibit Hall 3</p>					

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	<p>Session #50: Understanding Hazards and Risks I Location: Conv. Ctr. 217AB Co-Chairs: Marisa Pierce, Martin Timm</p>	<p>Session #43: Fires, Explosions and Reactive Chemicals II Location: Conv. Ctr. 217CD Co-Chairs: Trey Morrison, Henry Febo</p>	<p>Session #45: Incident Investigations – Lessons Worth Sharing Location: Conv. Ctr. 214CD Co-Chairs: Fred Gregory, Victor Edwards</p>	<p>Session #49: Tutorials in Process Safety – PPSS I Location: Conv. Ctr. 214AB Co-Chairs: Don Abrahamson, Faraz Khan</p>	<p>Session #38: Big Data Analytics and Process Safety I Location: Conv. Ctr. 216AB Co-Chairs: Osvaldo Bascur, Andrew Staszak</p>	<p>Session #48: Spanish Session: Compartiendo conocimientos y experiencias sobre Seguridad de Procesos III Location: Conv. Ctr. 218 Co-Chairs: Nestor Sposito, Felipe Muñoz</p>
3:30PM	<p>Dow Laboratory Safety Academy: Improving Awareness of Reactive Chemicals Hazards and Preventing Incidents <i>Marabeth Holsinger</i></p>	<p>Elongated VCE Blast Waves and Structural Damage <i>Jihui Geng</i></p>	<p>Major Accidents: Managing the First 96 Hours <i>Mark Farley</i></p>	<p>Best Practices for Writing Operating Procedures and Trouble-Shooting Guides <i>William Bridges</i></p>	<p>A Data Driven Early Warning System for Mining Accidents <i>Zhizum Zhang</i></p>	<p>Prevención De Eventos Catastróficos Mediante Análisis De Causas Comunes <i>José Virrreal & Luis Jaimes</i></p>
4:00 PM	<p>Safety and Asset Integrity Excellence – Using Data and Analytics to Control Composite Risk and Add Operating Value <i>Eric Lavelle & Brian Dickerson</i></p>	<p>The Nature of Ammonium Nitrate Decomposition and Explosions <i>Ron Willey</i></p>	<p>Incident Management System for a Global Company - Lessons Learned <i>Justin Trice</i></p>	<p>Process Safety Management: It's Not Just for Chemical Plants! <i>Richard Sarnie</i></p>	<p>New Ways to Visualize and Consolidate Alarm Management KPIs <i>Leandro Pinto</i></p>	<p>LOPA: Ventajas De La Buena Gestión De Las Capas De Protección <i>Ana María Macías Juárez & Rufino Perea Lorenzo</i></p>
4:30 PM	<p>What if PHAs Included and Analysis on Human Error <i>Jeanne Curcio</i></p>	<p>Calorimetry and Thermo-Kinetic Modeling to Determine SAPT and Safe Shipping Conditions for Self-Reactive Materials <i>Min Sheng</i></p>	<p>Human Error. A Myth Eclipsing Real Causes <i>Mike Broadribb & Ignacio Alonso</i></p>	<p>Hit the Ground Running (Safely): Process Safety for the Early Career Engineer <i>Don Connolley, Jerry Forest, & Amy Richards</i></p>	<p>A Simple Way to calculate Control Loop Services taking in Account Plant Conditions <i>Leandro Pino</i></p>	<p>Aprendiendo De La Experiencia Investigación y Análisis De Explosión De Una Caldera Desde La óptica De Una Compañía Aseguradora <i>Juan Carlos Medina Fernandez</i></p>
5:00 PM	<p>Session #56-57: Spring Meeting & GCPS Poster Session and Cocktail Reception (Includes electronic presentations of select posters) Co-Chairs: San Burnett, Elizabeth Lutostansky, and Jennifer Mize Location: Conv. Ctr. Exhibit Hall 3</p>					

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	32 nd Center for Chemical Process Safety International Conference (CCPS)	51 st Annual Loss Prevention Symposium (LPS)	19 th Process Plant Safety Symposium (PPSS)	6 th Process Safety Management Mentoring (PSMM) Forum	Process Safety Spotlights	Perspectives on Process Safety from Around the Globe
	<p>Session #79: Understanding Hazards and Risks II Location: Conv. Ctr. 217AB Co-Chairs: Andrew Goddard, David Moore</p>	<p>Session #69: Facility Siting, Consequence Analysis and Risk Assessment I Location: Conv. Ctr. 217CD Co-Chairs: Jérôme Taveau, Henry Dwight</p>	<p>Session #72: LOPA and Bowties in Practice – Case Studies & Plant Applications Location: Conv. Ctr. 214CD Co-Chairs: Jack Chosnek, Chip Howat</p>	<p>Session #78: The Day PSM Hit Home I Location: Conv. Ctr. 214AB Co-Chairs: Brenton Cox, Rao Akula</p>	<p>Session #71: Gas Patch, Intermediate Storage, and Terminal Safety Management Developments Location: Conv. Ctr. 216AB Co-Chairs: Irfan Shaikh, John Jacob</p>	<p>Session #75: Portuguese Session: Compartilhando conhecimentos e experiências de Segurança de Processos Location: Conv. Ctr. 218 Co-Chairs: Felipe Muñoz, Eduardo Francisco</p>
8:00 AM	<p>Simplistic Yet Insightful Way to Present Operational Risks in Order to Facilitate Risk Discussions <i>Alfonsius Ariawan & Donald Byrne</i></p>	<p>Consideration of Escalation Risks in Facility Siting <i>Dennis Ngai</i></p>	<p>A Case Study in Human Reliability - Analysis to Support LOPA in Loading Hazardous Liquids <i>Trey Morrison</i></p>	<p>Remember or Repeat <i>Alan C. Brackey</i></p>	<p>Depressurization of Process Equipment during Emergency or Planned Shutdown on a High Potential CO₂-Solid-Forming Stream Utilizing the Latest Dynamic Simulation and Blowdown Models <i>Scott M. Wozniak</i></p>	<p>Offshore Units Safety Management Systems Analysis: Sgso x SEMS II <i>Maurício Longo Braz Pessanha</i></p>
8:30 AM	<p>Uncertain About Uncertainty <i>John Joseph Crump</i></p>	<p>The Facility Siting Cycle (Revalidation) <i>Michael D. Weinberg</i></p>	<p>Current State of Bow Tie Risk Assessment Method <i>Robin Pitblado</i></p>	<p>In Harm's Way – After Which Nothing was the Same Again <i>Mike Broadribb</i></p>	<p>Inherently Safer Piping – Best Practices <i>Steve Streblov</i></p>	<p>Melhoria Em Revisão De Segurança De Pré-Partida Através Da Utilização Da Revisão Por Sub Processos Durante o Comissionamento De Unidades De Processo <i>Eduardo M. Francisco</i></p>
9:00 AM	<p>A Look into Cumulative Risk Assessment: Past, Present, and Future <i>Syeda Zohra Halim</i></p>	<p>Strategic Facility Siting - a Different Perspective <i>Steve Clepper</i></p>	<p>Barrier Thinking Using Bow Ties for Offshore Production Platforms – a Case Study <i>Patricia Grant</i></p>	<p>How a 5 Year Old Learned About Process Safety Management <i>Ron Willey</i></p>	<p>Understanding Tolerable Risk Criteria – Considering the Growth of LNG Transportation <i>Ryan J. Hart</i></p>	<p>Avaliações da Segurança funcional em intertravamentos, alarmes e controles de Segurança: quão eficiente são seus projetos em Segurança funcional? <i>Monica Hochleitner</i></p>
9:30 AM	<p>Coffee and Networking Break, Location: Conv. Ctr. Exhibit Hall 3</p>					

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	<i>Session #94: Manage Risk—The Management Element</i> Location: Conv. Ctr. 217AB Co-Chairs: Rainer Hoff, Jerry J. Forest	<i>Session #91: Facility Siting, Consequence Analysis and Risk Assessment II</i> Location: Conv. Ctr. 217CD Co-Chairs: Jérôme Taveau, Henry Dwight	<i>Session #98: Process Safety Challenges in Batch Operations</i> Location: Conv. Ctr. 214CD Co-Chairs: Philip M. Myers, Sean P. Lapekas	<i>Session #100: The Day PSM Hit Home II</i> Location: Conv. Ctr. 214AB Co-Chairs: Brenton Cox, Steven Zhang	<i>Session #86: Big Data Analytics and Process Safety II</i> Location: Conv. Ctr. 216AB Co-Chairs: Osvaldo Bascur, Andrew Staszak	<i>Session #97: Process Safety Activities in China</i> Location: Conv. Ctr. 218 Co-Chairs: Dong Feng Zhao, Liu Yi
10:15AM	Sustaining Process Safety during Difficult Economic Times <i>John Herber</i>	Large Scale Testing Confirms Deflagration to Detonation Transition (DDT) Needs to be Considered in Facility Siting <i>Scott Davis</i>	Addressing Process Safety Challenges in Batch Tolling <i>Brenda Seggerman</i>	Please, Not Again! – The Second Time Process Safety Hit Home <i>John Wincek</i>	The Capacity Engine, Analyzing the Past to Protect the Future <i>Alfonsius Ariawan</i>	Lessons Learned from Tianjing Explosion-Viewed from Hazardous Chemicals Supervision <i>Nianming Lu</i>
10:45 AM	and Now for Something Completely Different <i>Mike Broadribb</i>	Real World Applications of API 753 <i>Darren Malik</i>	A HAZOP Gap Query Approach for Hazard Assessment in Multi-Product Facilities <i>James Torres</i>	Lessons from the Past <i>Kathy Pearson</i>	Getting More Out of Your PHAs with Data Analytics <i>Allison De Man & Marisa Pierce</i>	Research on Design of Comprehensive Risk Assessment System for Urban Refinery <i>Xiaoming Yan</i>
11:15 AM	Supervisors and Mid-Managers at the Center of Safety <i>Renato Prestes</i>	Shrapnel: Accounting for Blast Fragments in Facility Siting Studies <i>Corey Whelehon</i>	Inherently Safer Reactor Design: Challenges in the Changeover from Semi-Batch to Continuous <i>Jingyao Wang</i>	The Hits Just Keep on Coming <i>Scott Berger</i>	Prevent the Next Catastrophe <i>Mike Brooks</i>	Study on On-Line Monitoring Technology of Oil Tank Grounding <i>Pan Liu & RenJie Lou</i>
11:45 AM	Luncheon with Speaker: Michael R. McAtee , Senior Vice President Strategic Projects, BASF Company – “Process Safety and the Link to a Reliability Centered Culture” Location: Conv. Ctr. Stars at Night Ballrooms B1& B2					

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	<i>Session #116: Manage Risk—The Human Element</i> Location: Conv. Ctr. 217AB Co-Chairs: Fred Henselwood, Ryan Hart	<i>Session #111: Facility Siting, Consequence Analysis and Risk Assessment III</i> Location: Conv. Ctr. 217CD Co-Chairs: Jérôme Taveau, Henry Dwight	<i>Session #118: Process Safety Challenges in Aging Facilities and Organizations</i> Location: Conv. Ctr. 214CD Co-Chairs: Steve Emerson, Mike Broadribb	<i>Session #108: Career in PSM Panel</i> Location: Conv. Ctr. 214AB Co-Chairs: Brian Dickson, Mike Morris	<i>Session #119: Refining Process Safety I</i> Location: Conv. Ctr. 216AB Co-Chairs: Christopher S. Buehler, Tony Liu	<i>Session #115: Korean Experience of Process Safety Management(PSM) and Future Challenges I</i> Location: Conv. Ctr. 218 Co-Chairs: Hyuckmyun Kwon & II Moon
1:30 PM	Managing Risk through Integrity Operating Windows <i>F. Russ Davis</i>	A Risk-Based Approach for Predicting Domino Effects Due to Fires - Combining Exceedance Curves with Thermal Stress Dynamic Analysis <i>Jordi Dunjó</i>	PSM Challenges in an Aging Cyanide Plant <i>John L. Gohres</i>	<i>Jennier Osterhaus (BP); Laura E. Bellma, PE (Covestro); Mark Wingard (CSB); Lisa Long (OSHA);</i>	Effectively Addressing Damage Mechanism Reviews in a Process Hazard Analysis: A Checklist Approach <i>Tazim S. Rehmat</i>	A Study of Catastrophic Incident Warning Signs to Prevent Incidents in the Yeosu Chemical Complex <i>SH Baek</i>
2:00 PM	Human Reliability Analysis for Evaluation of Conduct of Operations <i>Erin Collins</i>	Quantifying the Mass Release Rate for Flashing Two Phase Releases <i>Thomas O. Spicer III</i>	We Built a (Process Safety) Ship – Who Is Going to Sail It in 5 Years? <i>Monica Stiglich</i>		The Integration of Inherently Safer Design and Control <i>Denis Su-Feher</i>	Risk Management Program (RMP) for Chemical Industry in Korea <i>Byungchol Ma</i>
2:30 PM	Process Safety in Operations – What’s Missing? <i>Mike Neill</i>	Effectiveness of Water Sprays in Mitigating Toxic Releases <i>Samrat Mukherjee</i>	Changes to Industry Guidance on Relief and Flare Systems and Impact on Existing Infrastructure <i>Paul Frey</i>		Criteria for Determining the Need for Installation of Fixed FIRE and Gas Detectors in Petroleum Refineries <i>Laurence Siqueira</i>	Stochastic Programming and Atmospheric Dispersion Modeling for Optimal Placement of Gas Detectors <i>Dongil Shin</i>
3:00 PM	Coffee and Networking Break , Location: Conv. Ctr. Exhibit Hall 3					

Tuesday, March 28, 2017

	<i>Session #138: Learning from Experience – Don’t Repeat the Past</i> Location: Conv. Ctr. 217AB Co-Chairs: Eric Freiburger, Donald Connolley	<i>Session #129: Combustible Dust Hazards and Their Mitigation</i> Location: Conv. Ctr. 217CD Co-Chairs: Erdem Ural, Samuel Rodgers	<i>Session #142: The Process Safety Regulatory Climate - 2017</i> Location: Conv. Ctr. 214CD Co-Chairs: Jim Thompson, Laura Ankrom	<i>Session #143: Tutorials in Process Safety – LPS II</i> Location: Conv. Ctr. 214AB Co-Chairs: Trey Morrison, Myron Carlson	<i>Session #141: Refining Process Safety II</i> Location: Conv. Ctr. 216AB Co-Chairs: Christopher S. Buehler, Tony Liu	<i>Session #137: Korean Experience of Process Safety Management(PSM) and Future Challenges II</i> Location: Conv. Ctr. 218 Co-Chairs: Hyuckmyun Kwon & II Moon
3:30 PM	Using PS Incident Warning Signs to Increase Hazard Awareness and Sense of Vulnerability <i>John Herber</i>	Limiting Oxygen Concentration of Hybrid Mixtures <i>Emmanuel K. Addai.</i>	Limiting OSHA’s Authority to Issue Citations (Court Rejects OSHA’s Efforts to Evade OSH Act Statute of Limitations by Alleging Continuing Violation) <i>Mark Dreux</i>	Understanding Vapor Cloud Explosions <i>Derek Miller</i>	Stratification during Vapor or Gas Freeing of Storage Tanks <i>Michael Hanks</i>	New Approach to Using CFD Modeling for Chlorine Releases in Seoul <i>Seungho Jung</i>
4:00 PM	Preventing High Consequence Incidents <i>Greg Hanggi</i>	Ignitability of Combustible Dust Fueled Flash Fires with Industrial Ignition Sources <i>Michael C. Stern</i>	PSM/RMP Modernization Programs in California - 2016 Developments and Correlation to Evolution at the Federal Level <i>Steve Maher</i>	Running the Gamut of Hazard Identification and Risk Analysis Methods <i>Bob Johnson</i>	Refinery PHAs – Revalidation or Re-Dos? Do They Ensure Safe Operations? <i>Joshtin Cooper & Chris Israni</i>	A New Paradigm for Environmental Safety Management of Chemical Industry in Korea <i>Kyoshik Park</i>
4:30 PM	Procedural and Causal Lessons Gathered Over Years of Investigations <i>Thomas Rodante</i>	A New Methodology to Evaluate System-Level Performance of Explosion Suppression Systems <i>Jenny Chao</i>	Existing Challenges in Incorporating Process Safety Management in Developing Countries <i>Yogesh Koirala</i>	Q&A on QRA <i>Jeff Marx</i>	How Small of a Cloud We Want to Detect on Our Gas Detectors? <i>Vinicius Simoes</i>	Cause Analysis of Recent Chemical-Accidents and Preventive Measures in Korea <i>Seungkoo PAK</i>

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	<i>Session #152: Learning from Experience – Preparing for Tomorrow</i> Location: Conv. Ctr. 217AB Co-Chairs: Bernard Groce, Hari Polaki	<i>Session #154: Mechanical Integrity, Asset Integrity, Damage Mechanisms and Condition Monitoring I</i> Location: Conv. Ctr. 217CD Co-Chairs: Mike Moosemiller, Walt Frank	<i>Session #147: Ensuring the Correct Response from the First Line of Defense – Operators</i> Location: Conv. Ctr. 214CD Co-Chairs: Katherine Prem, Joe Howard	<i>Session #158: Tutorials in Process Safety – CCPS II</i> Location: Conv. Ctr. 214AB Co-Chairs: John Wincek, Mike Hazzan	<i>Session #148: Industrial Practices in Process Safety and Sustainability</i> Location: Conv. Ctr. 216AB Co-Chairs: Hebab Quazi, Eric Peterson	<i>Session #151: Japan’s Process Safety Progress</i> Location: Conv. Ctr. 218 Co-Chairs: Masaki Nakagawa & Neil Concibido
8:00 AM	Systematic Approach to Improve Learning from Incidents <i>Juliana Guarguati Ariza</i>	The Top Ten Reasons for Fixed Equipment Failures in the Hydrocarbon Process Industries <i>John Reynolds</i>	Proven Approaches to Ensuring Operators Can Respond to Critical Process Deviations in Time (Human Response IPL) <i>William Bridges</i>	Are Your Safeguards Fast Enough to Be Effective? <i>Eloise Roche</i>	API-RP521 PSV Calculation Compared Against Universal Bernoulli’s Homogeneous Equilibrium Method <i>George Maliakkal</i>	The Study of Thermal Hazard Evaluation of Polymerizing Substances at Storage <i>Motohiko Sumino</i>
8:30 AM	Leading and Lagging Indicators <i>Robert Weber</i>	Advancing Asset Integrity in Chevron Upstream <i>Vincent Attanucci</i>	“Closing the Holes in the Swiss Cheese Model” – Maximizing the Reliability of Operator Response to Alarms <i>Todd Stauffer</i>	Temporary Management of Change: A Problem or a Necessary Part of Managing Process Safety <i>Jody Olsen</i>	Presentation Title TBD <i>Speaker TBD</i>	Natural Calamities and Challenges in Preventing and Mitigating Impacts in Japanese Refineries and Petrochemical Plants <i>Kazuhiko Kurosawa</i>
9:00 AM	Ten Years of Living Risk Based Process Safety <i>Steve Arendt</i>	Using HAZOP/ LOPA to Create an Effective Mechanical Integrity Program <i>Steve Maher</i>	Adapting Cause and Effects Methodology to Your Safety Instrumented System (SIS) to Reduce Human Errors from Engineering, Operations and Beyond <i>Charles Fialkowski</i>	Don't Do What We Did - Stupidity, Luck, and Making Good Choices <i>Mike Moosemiller & Kathleen A. Kas</i>	Using Combined Failure Data Sources to Assess Equipment Failure Rates <i>Danielle Chrun & Anne Ostdahl</i>	Cyber Incident Exercise for Safety Protection in Critical Infrastructure <i>Yuitaka Ota</i>
9:30 AM	Coffee and Networking Break , Location: Conv. Ctr. Exhibit Hall 3					

Wednesday, March 29, 2017

	<p>Session #167: Featured CCPS Projects Location: Conv. Ctr. 217AB Co-Chairs: Fred Henselwood, Ryan Hart</p>	<p>Session #171: Mechanical Integrity, Asset Integrity, Damage Mechanisms and Condition Monitoring II Location: Conv. Ctr. 217CD Co-Chairs: Mike Moosemiller, Walt Frank</p>	<p>Session #173: Practical Process Safety for Non-Covered Processes Location: Conv. Ctr. 214CD Co-Chairs: Chris Israni, James Lewis</p>	<p>Session #176: Tutorials in Process Safety – PPSS II Location: Conv. Ctr. 214AB Co-Chairs: David Moore, Nick Cristea</p>	<p>Session #166: Discussion on Industrial/Academic Safety/Sustainability Partnership Location: Conv. Ctr. 216AB Co-Chairs: Hebab Quazi, Eric Peterson</p>
10:15 AM	Inherently Safer Automation <i>Angela Summers</i>	New Guidelines for Managing Asset (Mechanical) Integrity <i>Eric Freiburger</i>	A Simplified Process Hazard Analysis (PHA) Approach Applied for Non-Covered Processes <i>Jonas Duarte</i>	Dust Explosion Hazards: Housekeeping Quantified <i>Richard Prugh</i>	Industrial/Academic Partnership – A Case Study in the US <i>Sam Mannan</i>
10:45 AM	CCPS Project 246 - 2nd Edition Guidelines for Siting and Layout of Facilities <i>Martin Timm & Don Connolley</i>	Fracture Toughness and Brittle Failure – a Pressure Vessel Case Study <i>John Puryear</i>	Beyond Compliance: Using PSM to Enhance the Grain Handling Standard <i>Michael S. Schmidt</i>	Implementing an Effective Management of Change (MOC) System for E&P Business and Non- PSM Facilities <i>Sandipan Laskar</i>	Industrial/Academic Safety Partnership – An IChemE Case Study <i>Trish Kerin</i>
11:15 AM	CCPS Vision 20/20: What and How Are WE Doing? <i>Cheryl Grounds</i>	The Use of Finite Element Method (FEM) in Modeling Effect of CO ₂ /H ₂ S Corrosion <i>Lihan Zeng</i>	Common Hurdles, Benefits, and Costs for Fully Implementing Process Safety Worldwide – Especially in Countries without PSM Regulations <i>William Bridges, Art Dowell III, Jeff Thomas, & Paul Casarez</i>	Improving Human Factors Review in PHA and LOPA <i>Dave Grattan</i>	Industry-Academic Cooperative Program on Safety & Sustainability for Non-Chemical Engineering Students <i>Hebab Quazi</i>
11:45 AM	Luncheon with Speaker: Keith Silverman , Vice President, Environmental, Health and Safety, and Product Regulatory, Ashland, Inc. – “ Sustaining a Zero Incident Culture ” Location: Conv. Ctr. Stars at Night Ballrooms B1& B2				
	Session #182: Case Histories and Lessons Learned – GCPS Joint Session Location: Conv. Ctr. Stars at Night Ballroom B4 Co-Chairs: Kathleen Kas, Brooke Beveridge, and Donald J. Connolley				
1:30 PM	Waste Solvents to Trash Haulers: Lessons Learned from Hazardous Waste Accidents – <i>Trey Morrison</i>				
2:00 PM	ExxonMobil Torrance Refinery FCC ESP Explosion – <i>Mark Wingard</i>				
2:30 PM	Overfill to Overpressure – Investigation Findings and Contributing Events to the CAPECO Explosion – <i>Scott Davis</i>				
3:00 PM	Break				
3:15 PM	Produced Water Tank Explosion Case Study – <i>Kelly Thomas</i>				
3:45 PM	Milestone Company Incidents and Their Impact on Air Products Process Safety Journey – <i>Brian Farrell</i>				
4:15 PM	Plymouth Incident – <i>Von Studer</i>				
4:45 PM	GCPS Concluding Remarks				