

Monday, April 7, 2025	
7:00 AM	2025 AIChE Spring Meeting and 21st GCPS AGILE Keynote Continental Breakfast Location: Trinity Ballroom
8:00 AM	Session #: 2025 AIChE Spring Meeting and 21st GCPS AGILE Award Keynote Address Location: Trinity Ballroom Welcome and Introductions Presented by Joseph Smith , AIChE President, and Victor Bohnert , Chief Executive Officer, AIChE AGILE Award Keynote Address: “A World Without Chemistry” Presented by Rebecca Liebert , President and Chief Executive Officer, The Lubrizol Corporation
9:15 AM	Coffee and Networking Break Location: Trinity Exhibit Hall
9:30 AM	Session #: 21st GCPS Welcoming Plenary Session Location: Trinity Ballroom 21st GCPS Introduction and Welcome: Shakeel Kadri (<i>Executive Director & CEO, CCPS</i>) and Irfan Shaikh (<i>GCPS Chair</i>) Symposium Chair: Lauren Moyer , 40 th Center for Chemical Process Safety (CCPS) International Chair Katie Mulligan , 59 th Annual Loss Prevention Symposium (LPS) Chair Tracy Carter , 27 th Process Plant Safety Symposium (PPSS) Chair Todd Drennen , 14 th Process Safety Management Mentoring (PSM ²) Chair Eduardo Francisco , Perspectives on Process Safety from Around the World Chair Plenary Keynote Panel: “50 Years of CCPS – Past, Present and Future” Panelists: Pete Lodal , D&H Process Safety Samantha Scruggs , Archaea Energy, A bp Company Scott Link , NOVA Chemicals Moderator: Shakeel Kadri (<i>Executive Director & CEO, CCPS</i>)
10:20 AM	Break

10:30 AM — 12:00 PM	40 th Center for Chemical Process Safety International Conference (CCPS)	59 th Annual Loss Prevention Symposium (LPS)	27 th Process Plant Safety Symposium (PPSS)	14 th Process Safety Management Mentoring (PSM ²)	Perspectives on Process Safety from Around the Globe
	<p>Session #: 40th Anniversary of CCPS: Learning from the Past, Looking to the Future</p> <p>Location: Cortez AB</p> <p>Co-Chairs: Fred Henselwood & Neal Muller</p>	<p>Session #: Modeling for Risk Quantification</p> <p>Location: Coronado CD</p> <p>Co-Chairs: Manuel Herce & Sebastian Chialvo</p>	<p>Session #: Process Safety Challenges: Today and in the Future</p> <p>Location: Coronado A</p> <p>Co-Chairs: Philip M. Myers & Ryan Ford</p>	<p>Session #: Tutorials in Loss Prevention Symposium (LPS)</p> <p>Location: Cortez CD</p> <p>Co-Chairs: Trey Morrison & John Herber</p>	<p>Session #: Portuguese Session: Gestão da Segurança de Processos baseada em Risco I</p> <p>Location: Coronado B</p> <p>Co-Chairs: Fabio Rossi & Luana Marques</p>
	<p><i>Cheryl Grounds</i> CCPS Emeritus</p>	<p>Boiling Ammonia Pools – Evaporation and Dispersion Models Validation</p> <p><i>Mike Harper</i></p>	<p>Temporary Equipment Risk</p> <p><i>Sarah Schaaf</i></p>	<p>Assessing Reactive Hazards: What's the Right Tool for Me?</p> <p><i>Sara Townsend</i></p>	<p>Dynamic management system for process safety barriers based on the risk hierarchy</p> <p><i>I. Brito</i></p>
	<p><i>Scott Berger</i> CCPS Emeritus</p>	<p>Comparison of BLEVE Models on TTF Basis</p> <p><i>Thomas Butts</i></p>	<p>A New Look at Safety Metrics in a World of Evolving Operational Practices</p> <p><i>Julia Bukowski</i></p>	<p>Process Design for Energetic Chemical Reactions</p> <p><i>Bradley Silva and John Wincek</i></p>	<p>AI- Based Tool for Creating “What Ifs” and Process Safety Risks</p> <p><i>R. Souza Jr</i></p>
	<p><i>Shakeel Kadri</i> CCPS</p>	<p>Liquid Rainout CFD Modeling, Testing and Empirical Equation</p> <p><i>Jin Zhao</i></p>	<p>A Framework for Climate Risk Assessments and Application to Offshore Assets</p> <p><i>João Antônio Pereira de Paula</i></p>	<p>Understanding Potential Process Safety Events Using Dispersion Modelling</p> <p><i>John Currie</i></p>	<p>Optimizing Operational Security: Prioritizing Critical Barriers in Offshore Units</p> <p><i>L. H. Figueira</i></p>
12:00 PM	<p>Luncheon with Speaker: George Michael Finelli, Chief North America Officer and President, Syensqo</p> <p>“Pioneering the Future: Harnessing New Technologies to Advance Chemistry”</p> <p>Location: Trinity Ballroom</p>				

	40th Center for Chemical Process Safety International Conference (CCPS)	59th Annual Loss Prevention Symposium (LPS)	27th Process Plant Safety Symposium (PPSS)	14th Process Safety Management Mentoring (PSM²)	Perspectives on Process Safety from Around the Globe
1:30 PM – 3:00 PM	<i>Session #: Building Process Safety Culture through Influential and Inspirational Leadership</i> Location: Cortez AB Co-Chairs: Michell LaFond & Brian Desrosiers	<i>Session #: The Technology of Process Safety</i> Location: Coronado CD Co-Chairs: Amy Theis, Kristen Graham & Elena Prats	<i>Session #: Process Safety for Sustainability Projects and Operations</i> Location: Coronado A Co-Chairs: Julie White & Nicole Loontjens	<i>Session #: What I Want to be When I Grow Up</i> Location: Cortez CD Co-Chairs: Scott Haney, Olivia Andrews & Caitlin Mullan	<i>Session # Process Safety in Mining, Metals, and Minerals I</i> Location: Coronado B Co-Chairs: C.Catala, B.Esperandio & G.Peron
	Frontline Worker Empowerment – The Biggest Key to Process Safety Implementation Revonda Tew	Non-Intrusive Fitness for Service Evaluations of Critical Non-Metallic Aboveground Storage Tanks (ASTs): Ashland, Inc. Case Study Ray Vermillion	ISD (Inherently Safer Design) Considerations for Blue Ammonia Projects Chee Ong	My PSM Toolkit for Success Hope Luebeck	Enhancing Critical Control Management using Bowties for High Consequence Risks at Rio Tinto Laura Anato
	Process Safety Leadership During Change Phillip Hodge	Fluorine Free Fire Fighting Foam; What Is It and How/Why Does It Matter to Your Facility! Ryan Bennett	The Importance of Utilizing Process Hazard Analysis to Manage Risk in Pilot Scale Designs Araina Boyd	The Transition from School to Work: Expectations for All Professionals Stephanie Smith	Fahrenheit 3214: PSM in Electric Furnace Smelting Operations - Challenges and Opportunities A. Valiyev
	Empowering Process Safety Culture: A Case Study on Leadership-Driven PSM Program Improvements at a Chemical Manufacturing Site Victoria Randall	Dynamic Barrier Management for the Functional Integration of Safety and Security Domains in Critical Infrastructures: A Management Framework Based on Technical References Juan Angarita	Where Is Process Safety in the SDGs? Trish Kerin and Chris Israni	The Elephant in the Room Karen Vilas	Ibram- Diretrizes Para Gerenciamento De Segurança De Processo Na Mineração R. Pinto
3:00 PM	Coffee and Networking Break Location: Trinity Exhibit Hall				

3:30 PM – 5:00 PM	<p>Session #: Know Thine Hazards and Know Yourself. The Art of Hazard Identification and Risk Analysis Location: Cortez AB Co-Chairs: Sean Dee & Margery Kosch</p>	<p>Session #: Combustible Dusts: Avoiding Disaster Location: Coronado CD Co-Chairs: Bruno de Kort, Aubrie Martin, & Kathy Pearson</p>	<p>Session #: Recognized and Generally Accepted Good Engineering Practices (RAGAGEP) Analysis in New Risk Management Plan (RMP) Rule Location: Coronado A Co-Chairs: Jenniffer Villalobos & Sarah Manelick</p>	<p>Session #: What is Process Safety Culture and How Does It Apply to Me? Location: Cortez CD Co-Chairs: Pamela Nelson, Wing Yee & Caitlin Mullan</p>	<p>Session #: Process Safety in Mining, Metals, and Minerals II Location: Coronado B Co-Chairs: C.Catala, B.Esperandio, & G.Peron</p>
	<p>To Boldly Go - Exploring Common Pitfalls and Missteps for PHA Facilitators Theresa Lewis</p>	<p>NFPA 660: What you need to know Michelle Murphy</p>	<p>Review of 2024 EPA RMP Regulatory Updates Gayle Nicoll</p>	<p>Using Gamification to Develop Process Safety Culture at Vale Gustavo Peron</p>	<p>Risk Analysis for Simultaneous Operation (SIMOPS) in the Mining Industry Americo Carvalho Neto Sr. RSE</p>
	<p>PHA: Common Misses with Significant Risks Felicia Miller</p>	<p>Fire and Explosion Hazards Associated with the Transfer of Powders into Flammable Solvents Emmanual Addai</p>	<p>Maneuvering the Technical Minefield of the Amplified RMP Rule Alana Hodge</p>	<p>Starting Strong: The ABCs of Process Safety Culture Dianne Coon</p>	<p>Process Safety in Transient Operations: Human Impact on Mining and Minerals Industry N. Dhufairy</p>
	<p>Evaluating Tanks for Non-Normal Operating Modes Erland Splan</p>	<p>HAZOP vs. Prescriptive Approaches in Dust Hazard Analysis: A Comparative Study on Outputs, Applications, and Limitations Timothy Heneks</p>	<p>PHA Evaluation Using Loss Prevention Principles from RAGAGEP Lueci do Vale</p>	<p>Process Safety Interventions for Developing Behaviourial Competencies Venkata Sainath Garimella</p>	<p>Do the Mining and Minerals Processing Industry Need Process Safety or Systems Safety Engineering? M. Hassall</p>
5:00 PM – 7:00 PM	<p>Session #: Spring Meeting & GCPS Poster Session and Cocktail Reception Co-Chairs: Louisa Nara, Michael J. Joyce, Nicholas Ashley Location: Trinity Exhibit Hall</p>				

Tuesday, April 8, 2025					
8:00 AM – 9:30 AM	40 th Center for Chemical Process Safety International Conference (CCPS)	59 th Annual Loss Prevention Symposium (LPS)	27 th Process Plant Safety Symposium (PPSS)	14 th Process Safety Management Mentoring (PSM ²)	Perspectives on Process Safety from Around the Globe
	Session #: <i>Advances and Innovations to Drive Highly Effective Asset Integrity Programs</i> Location: Cortez AB Co-Chairs: Rob Coover & Dheeraj Narang	Session #: <i>Facility Siting, Consequence Analysis, and Risk Assessment I</i> Location: Coronado CD Co-Chairs: Morgan Reed & Jatin Shah	Session #: <i>Improving Process Hazard Analysis Techniques</i> Location: Coronado A Co-Chairs: Fred Gregory Katherine Prem, & Chris Lai	Session #: <i>Tutorials in Process Plant Safety Symposium (PPSS)</i> Location: Cortez CD Co-Chairs: J. Wayne Chastain & Freeman Self	Session #: <i>Process Safety Activities in China I</i> Location: Coronado B Co-Chairs: Dongfeng Zhao & Malcolm Pu
	Scaling Excellence: A Case Study in Implementing an Asset Integrity Program Dianne Coon	Tool Time – Real World Applications of API RP 753 Kollin Kenady	Don't Let "Double Jeopardy" Jeopardize Your Risk Analysis Richard Carter	Selection of Pressure Relief Valves for Pressure Vessels Adam Attig and Zubin Kumana	Process Safety Progress in China Qiang Chen China University of Petroleum (East China)
	The Power of Data Integration and Visualization for Safer, Reliable Operations Mark Susich .	Using Wind Tunnel Modeling based on Field Scale Experiments as a Validation Tool for Atmospheric Dispersion Models Thomas Spicer	Leveraging Historical Risk Wisdom for Projects: Yes, It Can Really Occur Patrick Nonhof, Kazuyuki Namba, and Kent Jeffers	Managing Risk: Beyond the Due Date Shauna Scott, and Katherine Earley	Comprehensive Approach to Reaction Hazard Analysis: Integrating Scenario-Based Evaluation and Predictive Tools Guibing Zhao
	Evaluating Brittle Fracture and Shock Chilling Potentials Using Automated Data Analytics Frameworks Payam Jamshidi	Development of a Thermal Radiation Dose Approach for Jet Fires Jeff Marx	The Melhorado Process Hazard Analysis (mPHA) – Enhanced Risk Assessment Method for Mature Operating Facilities Agostinho Damiao and Sreeraj Nair	Piping Integrity Daniel DeVine	The Process Safety Evaluation System of the China Chemical Safety Association (CCSA) Yan Li
9:30 AM	Coffee and Networking Break Location: Trinity Exhibit Hall				

10:15 AM – 11:45 AM	40th Center for Chemical Process Safety International Conference (CCPS) <i>Session #: Process Safety in a Climate-Friendly Future World</i> Location: Cortez AB Co-Chairs: Davide Moncalvo & Paul Osterberg	59th Annual Loss Prevention Symposium (LPS) <i>Session #: Facility Siting, Consequence Analysis, and Risk Assessment II</i> Location: Coronado CD Co-Chairs: Jatin Shah & Morgan Reed	27th Process Plant Safety Symposium (PPSS) <i>Session #: Quantitative Risk Assessment Methods Beyond Hazard and Operability (HAZOP) Analysis</i> Location: Coronado A Co-Chairs: Rainer Hoff & Swarup Bade	14th Process Safety Management Mentoring (PSM²) <i>Session #: Lies We Tell Ourselves – Cognitive Bias and Human Factors in Process Safety</i> Location: Cortez CD Co-Chairs: David Moore & Sanjay Ganjam	Perspectives on Process Safety from Around the Globe <i>Session #: Process Safety Activities in China II</i> Location: Coronado B Co-Chairs: Dongfeng Zhao & Malcolm Pu
	What's Hot with New Refrigerants Bradley Silva and John Wincek	What has Gone Right and Wrong When Upgrading Buildings Travis Holland	Analysis of Shared Device(S) between SIS and BPCS Scott Sandler	Seeing the Invisible Trish Kerin	Learning from Incidents with a Multigenerational Workforce Louisa Nara
	Consequence Analysis of the Satartia Carbon Dioxide Release Nick Schulman	Oleum Release - When the Hose Breaks Nicholas Reding	Applicability of LOPA Summation on Scenarios with Multiple BPCS Failure Chee Ong	Human Factors in Process Safety: Practical Application in Safety Instrumented Functions João Antônio Pereira de Paula	Study on Operation Safety Risk of Volatile Organic Compounds Treatment Facilities in Petrochemical Enterprises Weichao Duan
	Understanding Depressurization of CO ₂ Vessels Using Computational Modeling and Data-Driven Techniques for Safety in Carbon Storage and Transport Sanket Ranjan Kadulkar	Harmonizing Facility Siting Practices across Borders: Insights from a Global Corporation Robert Weber	'qra Ain't Qra' - QRA Application in the Near Field - Our Experiences Stuart Chia	Driving Black Swans Away Forever upon an Epistemological Map of Process Safety Cultural Communication - Human Factors Beyond Instrumental Rationality? Long Zhang	Commonly Used Correction Factors in Safety Integrity Level Analysis Xinyi Cao
11:45 AM	Luncheon with Speaker: Alec Young , Vice President, Business Development, Air Liquide North America Location: Trinity Ballroom				

1:30 PM — 3:00 PM	<p>Session #: Improving Human Performance Location: Cortez AB Co-Chairs: Jeff Fox & Julie Kister</p>	<p>Session #: Energy Safety I (Hydrogen) Location: Coronado CD Co-Chairs: Sam Wang & Rima Lahiri</p>	<p>Session #: Semi-Quantitative Risk Assessment Methods Beyond Hazard and Operability (HAZOP) Analysis Location: Coronado A Co-Chairs: Ian Mylenbusch & Srihari Maganti</p>	<p>Session #: Faces of Process Safety - IDEAL Location: Cortez CD Co-Chairs: Swarup Bade & Jessica Morris</p>	<p>Session # Spanish Session: I Location: Coronado B Co-Chairs: Matias Massello & Paula Barrios</p>
	<p>Lifting the Veil: A Decade of Research Reveals New Thinking and Industry Trends in Human Performance and Operational Resilience David Wilbur</p>	<p>Hydrogen Jet Vapor Cloud Explosion: New Tests, Blast and Fireball Models Amy Shen</p>	<p>Integrating Layer of Protection Analysis within Process Hazard Analyses – 24 Years Later Felicia Miller</p>	<p>Advancing Process Safety and Inclusion: Rio Tinto’s Strategic Competence Management in a Competitive Landscape Laura Anato</p> <p>My Path from Process Engineer to Process Safety Sanjay Ganjam Kiewit</p> <p>Benefits of Generational Differences Elizabeth Spicer <i>University of Oklahoma</i></p>	<p>Performance Based Design of Fire and Gas Detection Systems. How Much Are We Really Reducing Risk? R. Rodriguez</p>
	<p>Practical Application of ‘Critical Steps’ to Improve Human Performance Elliot Wolf-Stokes</p>	<p>Very-Lean Hydrogen and Worst-Case Ammonia Vented Deflagration Testing and Modeling Peter Diakow</p>	<p>Socially Responsible Process Safety: Game Theory-Informed Social Life Cycle Assessment for Equitable Decision-Making Mehzabeen Mannan and Monzure-Khoda Kazi</p>		<p>Security Leadership Of Processes: Keys To Understand and Align Organization M. Fernandez</p>
	<p>Guidance on the Design of Proactive Management Systems Angela Lebon</p>	<p>Investigation of Explosion-Related Key Figures of Humid Hydrogen-Oxygen Mixtures Nils Schweiger</p>	<p>Incorporating Integrated Risk Assessments in Loss of Containment (LOC) Management during Design Phase Veronica Luna</p>	<p>Impact of Microaggressions on Safety Culture Kelly Krzysik <i>DOW</i></p>	<p>Beyond the Bow Tie’s, How to do management Of The Elements Security Critics (SCE)? J. Mimbela</p>
3:00 PM	<p>Coffee and Networking Break Location: Trinity Exhibit Hall</p>				

	40 th Center for Chemical Process Safety International Conference (CCPS)	59 th Annual Loss Prevention Symposium (LPS)	27 th Process Plant Safety Symposium (PPSS)	14 th Process Safety Management Mentoring (PSM ²)	Perspectives on Process Safety from Around the Globe
3:30 PM – 5:00 PM	<p>Session #: <i>What Hazard? Successful Approaches to Inherently Safer Design</i> Location: Cortez AB Co-Chairs: Ammar Alkhawaldeh & Chris Israni</p>	<p>Session #: <i>Energy Safety II (LNG & Ammonia)</i> Location: Coronado CD Co-Chairs: Amy Shen & Thomas Spicer</p>	<p>Session #: <i>Modcast, A First of its Kind – A Live Journey of Growth and Discovery</i> Location: Coronado A Co-Chairs: Laura Ankrom & Hope Luebeck</p>	<p>Session #: <i>What Should be Keeping you Up at Night</i> Location: Cortez CD Co-Chairs: Davide Moncalvo & Alyse Keller</p>	<p>Session # Spanish Session: II Location: Coronado B Co-Chairs: Matias Massello & Paula Barrios</p>
	<p>Making Inherently Safer Design (ISD) a Vibrant Part of Corporate Risk Management or "How to Do Effective 'Safer Technology' Alternatives Assessments (STAA)" <i>Anthony Downes</i></p>	<p>Standardized Testing Vs. Installation Methods: Full Scale LNG Fire Tests for 3- and 4-Side Fireproofed Beams <i>Filippo Gavelli</i></p>	<p>Unlocking Growth, One Journey at a Time <i>Lisa Ruth and Kristin Robbins</i> <i>With Special Guests:</i> <i>Jessica Albert, Karen Study, Bill Mosier, and Elliot Wolf Stokes</i></p>	<p>Modeling of Flammable Hazards during Atmospheric Storage Tank Maintenance <i>Elizabeth Spicer</i></p>	<p>Energy Integration Clean, One Solution Efficient. But, which They are the dangers Associates? <i>A. Jimenez</i></p>
	<p>Inherently Safer Design: Success Stories <i>Narayanan Ganeshmani</i></p>	<p>Goldilocks and the Three Fuels <i>Karen Vilas</i></p>		<p>Hindsight Is 20/20: Lessons Learned from Reactive Chemical Incidents <i>Amy Theis</i></p>	<p>Process Safety and Risk Management In Small and Medium. Case of Fire Study And Small Explosion Refinery <i>N. Sposito</i></p>
	<p>Vapor Dispersion Modeling from Non-Vertical Vents <i>Jenna Wilson</i></p>	<p>Ammonia As a Safe Alternative for Transporting Hydrogen <i>Tekin Kunt</i></p>		<p>Latent Failures Hiding in Plain (Hind)Sight - an Incident Case Study <i>Nathaniel Mazur</i></p>	<p>Review By The System Address Security Management Of Processes, A Change Tool Cultural: GPS or Waze? <i>A. Gomez</i></p>

Wednesday, April 9, 2025					
	40 th Center for Chemical Process Safety International Conference (CCPS)	59 th Annual Loss Prevention Symposium (LPS)	27 th Process Plant Safety Symposium (PPSS)	14 th Process Safety Management Mentoring (PSM ²)	Perspectives on Process Safety from Around the Globe
8:00 AM – 9:30AM	<p>Session #: <i>Learning from Experience</i> Location: Cortez AB Co-Chairs: John Champion & Carolyn Bott</p>	<p>Session #: <i>Battery Safety in the Chemical Industry</i> Location: Coronado CD Co-Chairs: Kathy Kas & Trey Morrison</p>	<p>Session #: <i>Practical Applications Using Generative AI in Process Safety</i> Location: Coronado A Co-Chairs: Brooke Beveridge & Jack Chosnek</p>	<p>Session #: <i>Tutorials in Center for Chemical Process Safety (CCPS) International Conference</i> Location: Cortez CD Co-Chairs: Srihari Maganti & Lisa Long</p>	<p>Session #: <i>Portuguese Session Gestão da Segurança de Processos baseada em Risco II:</i> Location: Coronado B Co-Chairs: Fábio Rossi & Luana Marques</p>
	<p>Building a Dependable Practice: Techniques for Embedding Process Safety Lessons in Shifts, Groups, and Teams Jody Jahn</p>	<p>Assessing the Risks of Thermal Runaway and Fire Propagation in Battery Energy Storage Systems with ARC, GC-MS, and Burning Velocity Testing Jiliang He</p>	<p>Does "Better" Training Data Improve ChatGPT in Process Safety Applications? Beta-Testing Results of a Customized GPT Sean Dee</p>	<p>Hazardous Area Classification Methodology Comparison: NFPA, API, IEC Stuart Powell</p>	<p>Desenvolvimento Do Software "Blastimpact Sim" Para Simulação De Explosões e Seus Impactos R. Souza Sr. and G. da Silva Sr. Aperam</p>
	<p>Developing Risk Management Maturity through Process Safety Indicators Americo Carvalho Neto Sr.</p>	<p>The Versatile VSP2: The New Battery Testing Apparatus Kenneth Kurko</p>	<p>AI-PSM: Progressing, but Not There Yet Rainer Hoff</p>	<p>The Business Case for Process Safety Samantha Scruggs</p>	<p>Application of Automated HAZOP in the Development of FPSO Projects M. Oliveira and F. Diniz</p>
	<p>Process Safety Cultural Cause Leading Indicators: How Well Are They Understood and Used? Bradley Eccles</p>	<p>CFD Analysis of Fireball and Explosion Hazards in Battery Energy Storage Systems Will Wholey</p>	<p>Evaluating the Limitations of Generative AI in the Analysis of PHA Recommendations Brandon Morris</p>	<p>Assessment of and Planning for Natural Hazards Andrew Goddard and Mike Washington</p>	<p>Application of LOPA Semi-Quantitative Analysis (Layers of Control Analysis) as Support for a Process Safety Indicator Panel A. Carvalho Neto Sr</p>
9:30 AM	<p>Coffee and Networking Break Location: Trinity Exhibit Hall</p>				

10:15 AM – 11:45 AM	Session #: Effective Process Safety Management Programs Location: Cortez AB Co-Chairs: Brooke Beveridge & Jim Martin	Session #: The Usual Suspects: Fires, Explosions, and Chemical Reactivity Location: Coronado CD Co-Chairs: Soham Dutta, Michelle Murphy, & Seshu Dharmavaram	Session #: Independent Protection Layers (IPL) Verification Fundamentals Location: Coronado A Co-Chairs: Daniel Forest & Kathy Shell	Session #: The Day PSM Hit Home Location: Cortez CD Co-Chairs: John Champion & Michelle Pfahles	Session #: Portuguese Session Gestão da Segurança de Processos baseada em Risco III: Location: Coronado B Co-Chairs: Fábio Rossi & Luana Marques
	Mechanical Integrity for Research Scale Environments Eddy Borchert	Use of DFT Calculation and Experimental Data to Model Heat of Reaction Damaris Thuita	You Got LI-PL! Eloise Roche	The Day Process Safety Hit Home: The Importance of Pre-Startup Safety Reviews Ciara Jarman	Facing the End: Challenges in Maintaining Process Safety Discipline for Decommissioning Offshore Units. An applied case in the Campos Basin E. Sousa Santos
	Implementing Process Safety Management Across Borders for International Corporations Ajaykumar Kakkanattu	The Applications of Gas Chromatography – Mass Spectrometry (GC-MS) in Process Safety Jiliang He	Using IE and IPL Failure Rates to Establish Maximum out of Service Time and Deferral Time Limits for Critical Process Safety Features William Bridges	Making Process Safety LEADERSHIP Personal Shakeel Kadri	Desenvolvimento Do Software "Blastimpact Sim" Para Simulação De Explosões e Seus Impactos R. Souza Sr.
	Accelerated Risk Reduction Via Enhanced Management System / Shift in Metric Methodology Andrew Hiester	Fire and Gas Detection Mapping: What It Is, and Why You Might Want to Do It! George Omerod	Screening for Process Safety Issues Using the CHEF Calculation Aid Rahul Raman	My PSM Catalyst Moments Mike Washington	Implementing Process Safety Education in a Chemical Engineering Curriculum in Southern Brazil: The Role of an Aiche Student Chapter L. Barbosa Martins
11:45 AM	Luncheon with Speaker: Wade Alleman , President, OxyChem “Risk, Ownership and Public Perception: OxyChem’s Role in Creating Products that Improves Lives”				

	Location: Trinity Ballroom
1:30 PM – 5:00 PM	Session: Case Histories and Lessons Learned – GCPS Joint Session Location: Trinity Ballroom Co-Chairs: Brenton Cox, Jessica Morris, Lydia Wright
1:30 PM	<i>Opening remarks and Best Paper Awards</i>
1:45 PM	Lurking in Small Amounts – Concentration of an Unstable Nitrate Due to a Subtle Process Change Wayne Fort
2:15 PM	Rupture Discs: An Effective Barrier or Sleeping Sentinel Ahmad H. Alfardan
2:45 PM	Then the Lights Flickered Trish Kerin
3:15 PM	Break
3:30 PM	How Traditions Impact Risk - A Study of the TAMU Bonfire Collapse Rob Fisher
4:00 PM	Process Safety Lessons from the Oceangate Titan Implosion Richard Carter
4:30 PM	Dripping Dry Break Coupling Steve Murphy
5:00 PM	<i>Closing Remarks</i>