Monday, A				
7:00 AM	2025 AIChE Spring Meeting and 21st GCPS AGILE Keynote Continental Breakfast			
	Location to be Determined			
8:00 AM	Session #: 2025 AIChE Spring Meeting and 21st GCPS AGILE Award Keynote Address			
	Location: Trinity Ballroom			
	Welcome and Introductions			
	AGILE Award Keynote Address: "A World Without Chemistry"			
	Presented by Rebecca Liebert, President and Chief Executive Officer, The Lubrizol Corporation			
9:00 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 (Executive Director & CEO, CCPS) and Irfan Shaikh (GCPS Chair)			
	Symposium Chair:			
	Lauren Moyer, 40 <sup>th</sup> Center for Chemical Process Safety (CCPS) International Chair			
	Katie Mulligan, 59 <sup>th</sup> Annual Loss Prevention Symposium (LPS) Chair			
	Tracy Carter, 27th Process Plant Safety Symposium (PPSS) Chair			
	Todd Drennen, 14th Process Safety Management Mentoring (PSM²) Chair			
	Eduardo Francisco, Perspectives on Process Safety from Around the World Chair			
	Plenary Keynote Panel: Title to be Determined			
	Panelists:			
	Pete Lodal, D&H Process Safety			
	Samantha Scruggs, BP			
	Scott Link, NOVA Chemicals			
	Moderator: Shakeel Kadri (Executive Director & CEO, CCPS)			
10:20 AM	Break			

10:30 AM - 12:00 PM	40 <sup>th</sup> Center for Chemical Process Safety International Conference (CCPS)	59 <sup>th</sup> Annual Loss Prevention Symposium (LPS)	27 <sup>th</sup> Process Plant Safety Symposium (PPSS)	14 <sup>th</sup> Process Safety Management Mentoring (PSM <sup>2</sup> )	Perspectives on Process Safety from Around the Globe
	Session #: 40th Anniversary of CCPS: Learning from the Past, Looking to the Future Location: Cortez AB Co-Chairs: Fred Henselwood, Neal Mueller	Session #: Modeling for Risk Quantification Location: Coronado CD Co-Chairs: Manuel Herce & Sebastian Chialvo	Session #: Process Safety Challenges: Today and in the Future Location: Coronado A Co-Chairs: Phil Myers Ryan Ford	Session #: Tutorials LPS Location: Cortez CD Co-Chairs: Trey Morrison & John Herber	Session #: Portuguese Session: Gestão da Segurança de Processos baseada em Risco I Location: Coronado B Co-Chairs: Fabio Rossi and Luana Marques
	INVITED SPEAKER	What Is the Impact of Dynamic Flare System Design on Cost, Safety, and Environment? Joannah Otashu	Temporary Equipment Risk Sarah Schaaf	Assessing Reactive Hazards: What's the Right Tool for Me? Sara Townsend	Dynamic management system for process safety barriers based on the risk hierarchy.  I. Brito
	INVITED SPEAKER	Enhancing Offshore Safety with 3D Modeling for Spatial Hazard Mitigation <i>Mark Susich</i>	A New Look at Safety Metrics in a World of Evolving Operational Practices Julia Bukowski	Process Design for Energetic Chemical Reactions Bradley Silva and John Wincek	AI- Based Tool for Creating "What Ifs" and Process Safety Risks R. Souza Jr.
	INVITED SPEAKER	Boiling Ammonia Pools – Evaporation and Dispersion Models Validation Seshu Dharmavaram	In What Extent Is Climate Risk Considered for Safer and Sustainable Operation of Offshore Assets? João Antônio Pereira de Paula	Understanding Potential Process Safety Events Using Dispersion Modelling John Currie	Application of LOPA Semi- Quantitative Analysis (Layers of Control Analysis) as Support for a Process Safety Indicator Panel A. Carvalho Neto Sr., R. R.
12:00 PM	Luncheon with Speaker: Geo	l <b>rge Michael Finelli,</b> Chief Nor	l th America Officer and Presiden	l nt, Syensqo	
	Location: Trinity Ballroom				

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1:30 PM - 3:00 PM	Session #: Building Process Safety Culture through Influential and Inspirational Leadership Location: Cortez AB Co-Chairs: Michell LaFond, Brian Desrosiers	Session #: The Technology of Process Safety Location: Coronado CD Co-Chairs: Amy Theis, Kristen Graham, Elena Prats	Session #: Process Safety for Sustainability Projects and Operations Location: Coronado A Co-Chairs: Julie White Nicole Loontjens	Session #: What I Want to be When I Grow Up Location: Cortez CD Co-Chairs: Scott Haney & Olivia Andrews	Session #: Process Safety in Mining, Metals, and Minerals I Location: Coronado B Co-Chairs: C.Catala, B.Esperandio, G.Peron
	Frontline Worker Empowerment – The Biggest Key to Process Safety Implementation William Bridges	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	Leveraging Oil and Gas Process Safety Management to Risk Management in Mining and Minerals Processing C. Morar
	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 <i>A. Valiyev</i>
	Empowering Process Safety Culture: A Case Study on Leadership-Driven PSM Program Improvements at a Chemical Manufacturing Site Victoria Randall	Integrity Level Determination over Time: Project Phase Risk Graph Vs. Operational LOPA Methodology in a Single Train LNG Plant Arief Agung Lestari	Renewable Natural Gas (RNG)- Process Safety and Risk Management Bibek Sapkota	The Elephant in the Room Karen Vilas	Do the Mining and Minerals Processing Industry Need Process Safety or Systems Safety Engineering? M. Hassall
3:00 PM	Coffee and Networking Brea Location: Trinity Exhibit Hall	k			

3:30 PM - 5:00 PM	Session #: Know Thine Hazards and Know Yourself. The Art of Hazard Identification and Risk Analysis Location: Cortez AB Co-Chairs: Sean Dee, Margery Kosch	Session #: Combustible Dusts: Avoiding Disaster Location: Coronado CD Co-Chairs: Bruno de Kort, Aubrie Martin, Kathy Pearson	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	Session #: What Is Process Safety Culture Location: Cortez CD Co-Chairs: Pamela Nelson, Wing Yee & Caitlin Mullan	Session #: Process Safety in Mining, Metals, and Minerals II Location: Coronado B Co-Chairs: C. Catala, B.Esperandio, G. Peron
	To Boldly Go - Exploring Common Pitfalls and Missteps for PHA Facilitators Teresa Lewis	NFPA 660: What you need to know Michelle Murphy	Review of 2024 EPA RMP Regulatory Updates Gayle Nicoll	Process Safety Interventions for Developing Behaviourial Competencies Venkata Sainath Garimella	Artificial Intelligence in Asset Management: Ensuring Compliance and Optimizing Maintenance in a Mining Operation R. D. R. Molina
	PHA: Common Misses with Significant Risks Darshan Lakhani	Fire and Explosion Hazards Associated with the Transfer of Powders into Flammable Solvents Emmanual Addai	Maneuvering the Technical Minefield of the Amplified RMP Rule Alana Hodge	Using Gamification to Develop Process Safety Culture at Vale Gustavo Peron	Process Safety in Transient Operations: Human Impact on Mining and Minerals Industry N. Dhufairy
	Evaluating Tanks for Non- Normal Operating Modes Erland Splan Smith & Burgess	HAZOP vs. Prescriptive Approaches in Dust Hazard Analysis: A Comparative Study on Outputs, Applications, and Limitations Timothy Heneks	PHA Evaluation Using Loss Prevention Principles from RAGAGEP Lueci do Vale and Lucas Almeida	Starting Strong: The ABCs of Process Safety Culture  Dianne Coon and Kristin  Robbins	Ibram- Diretrizes Para Gerenciamento De Segurança De Processo Na Mineração R. Pinto
5:00 PM - 7:00 PM	Session #: Spring Meeting & Co-Chairs: Location: Trinity Exhibit Hall		l Cocktail Reception		J

8:00 AM	40 <sup>th</sup> Center for Chemical	59 <sup>th</sup> Annual Loss	27 <sup>th</sup> Process Plant Safety	14th Process Safety	Perspectives on Process
9:30 AM	Process Safety International Conference	Prevention Symposium (LPS)	Symposium (PPSS)	Management Mentoring (PSM <sup>2</sup> )	Safety from Around the Globe
	(CCPS)				
	Session #: Advances and Innovations to Drive Highly Effective Asset Integrity Programs Location: Cortez AB Co-Chairs: Rob Coover, Dheeraj Narang	Session #: Facility Siting, Consequence Analysis, and Risk Assessment I Location: Coronado CD Co-Chairs: Morgan Reed, Jatin Shah	Session #: Improving Process Hazard Analysis Techniques Location: Coronado A Co-Chairs: Fred Gregory Katherine Prem/Chris Lai	Session #: Tutorials PPSS Location: Cortez CD Co-Chairs: J Wayne Chastain & Freeman Self	Session #: Chinese session: Process Safety Activities in China 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	The Flow Method: An Improved HAZOP Methodology <i>Craig Smith</i>	Selection of Pressure Relief Valves for Pressure Vessels <i>Emile Tezzo</i>	Process Safety Progress in China Qiang Chen
	The Power of Data Integration and Visualization for Safer, Reliable Operations Mark Susich	A Sensitivity Analysis to the Effect of Radiation Path Length in Trench Fire Modeling with FDS Simon Pezalla	Leveraging Historical Risk Wisdom for Projects: Yes, It Can Really Occur Patrick Nonhof	Managing Risk: Beyond the Due Date Shauna Scott	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	Piping Integrity  Daniel DeVine	The Process Safety Evaluation System of the China Chemical Safety Association (CCSA) Yan Li

10:15 AM - 11:45	40 <sup>th</sup> Center for Chemical Process Safety International Conference (CCPS)	59 <sup>th</sup> Annual Loss Prevention Symposium (LPS)	27 <sup>th</sup> Process Plant Safety Symposium (PPSS)	14 <sup>th</sup> Process Safety Management Mentoring (PSM <sup>2</sup> )	Perspectives on Process Safety from Around the Globe
AM	Session #: Process Safety in a Climate-Friendly Future World Location: Cortez AB Co-Chairs: Davide Moncalvo, Paul Osterberg	Session #: Facility Siting, Consequence Analysis, and Risk Assessment II Location: Coronado CD Co-Chairs: Morgan Reed	Session #: Quantitative Risk Assessment Methods Beyond Hazard and Operability (HAZOP) Analysis Location: Coronado A Co-Chairs: Rainer Hoff Swarup Bade	Session #: Lies We Tell Ourselves Location: Cortez CD Co-Chairs: David Moore & Sanjay Ganjam	Session #: Chinese session: Process Safety Activities in China II Location: Coronado B Co-Chairs: Dongfeng Zhao, Malcolm Pu
	What's Hot with New Refrigerants Bradley Silva	What has Gone Right and Wrong When Upgrading Buildings <i>T. Holland</i>	Analysis of Shared Device(S) between SIS and BPCS Scott Sandler	Proactive Management of Human Factors in Accident Prevention: Case Study and an Innovative Approach Anshulkumar Tiwari	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	Screening for Process Safety Issues Using the CHEF Calculation Aid Rahul Raman	Seeing the Invisible  Trish Kerin	Study on Operation Safety Risk of Volatile Organic Compounds Treatment Facilities in Petrochemical Enterprises Weichao Duan
	EVs and HVs Fires — Process Safety Measures and Emergency Strategies for Industrial Sites <i>Márcio Muniz</i>	Harmonizing Facility Siting Practices across Borders: Insights from a Global Corporation Ajaykumar Kakkanattu	'qra Ain't Qra' - QRA Application in the Near Field - Our Experiences Stuart Chia	More information will be available soon	Commonly Used Correction Factors in Safety Integrity Level Analysis Xue Zhang
11:45 AM	Luncheon with Speaker Location: Trinity Ballroom	l			1

Location: Cortez AB Co-Chairs: Jeff Fox, Julie Kister	Co-Chairs: Sam Wang, Rima Lahiri	Beyond Hazard and Operability (HAZOP) Analysis Location: Coronado A Co-Chairs: Ian Mylenbusch Srihari Maganti	Location: Cortez CD Co-Chairs: Swarup Bade, Jessica Morris & Soham Dutta	Location: Coronado B Co-Chairs: Matias Massello Paula Barrios,
Human after All: Shifting from Blame to Claim Will Sharpe	Hydrogen Jet Vapor Cloud Explosion: New Tests, Blast and Fireball Models Amy Shen	Integrating Layer of Protection Analysis within Process Hazard Analyses – 23 Years Later Felicia Miller	Safety First/Always: Women in Process Safety"-, ioMosaic, Houston.  Lisa Ruth	Performance Based Design of Fire and Gas Detection Systems. How Much Are We Really Reducing Risk? R. Rodriguez
Practical Application of 'Critical Steps' to Improve Human Performance <i>Elliot Wolf-Stokes</i>	Very-Lean Hydrogen and Worst-Case Ammonia Vented Deflagration Testing and Modeling Peter Diakow	Socially Responsible Process Safety: Game Theory- Informed Social Life Cycle Assessment for Equitable Decision-Making Mehzabeen Mannan	Enhancing Process Safety Competence: Rio Tinto's Strategic Approach to Talent Management in a Competitive Landscape Laura Anato	Security Leadership Of Processes: Keys To Understand and Align Organization M. Fernandez
Guidance on the Design of Proactive Management Systems  Angela Lebbon	Investigation of Explosion-Related Key Figures of Humid Hydrogen-Oxygen Mixtures Nils Schweiger	Incorporating Integrated Risk Assessments in Loss of Containment (LOC) Management during Design Phase Veronica Luna	My Path from Process Engineer to Process Safety Sanjay Ganjam	Beyond the Bow Tie's, How to do management Of The Elements Security Critics (SCE)?  J. Mimbela

2.20 DM	40 <sup>th</sup> Center for Chemical Process Safety International Conference (CCPS)	59 <sup>th</sup> Annual Loss Prevention Symposium (LPS)	27 <sup>th</sup> Process Plant Safety Symposium (PPSS)	14 <sup>th</sup> Process Safety Management Mentoring (PSM <sup>2</sup> )	Perspectives on Process Safety from Around the Globe
3:30 PM - 5:00 PM	Session #: What Hazard? Successful Approaches to Inherently Safer Design Location: Cortez AB Co-Chairs: Ammar Alkhawaldeh, Chris Israni	Session #: Energy Safety II (LNG & Ammonia) Location: Coronado CD Co-Chairs: Amy Shen, Tom Spicer	Session #: PPSS Panel Location: Coronado A Co-Chairs: Laura Ankrom, Hope Luebeck	Session #: What Should be Keeping you Up at Night Location: Cortez CD Co-Chairs: Davide Moncalvo & Alyse Keller	Session #: Spanish Session II Location: Coronado B Co-Chairs: Matias Massello, Paula Barrios,
	In-Silico Models for Assessing Flammability in Safe and Sustainable by Design (SSbD) Materials Achilleas Karakoltzidis	Standardized Testing Vs. Installation Methods: Full Scale LNG Fire Tests for 3- and 4-Side Fireproofed Beams Filippo Gavelli	More information will be available soon	Modeling of Flammable Hazards during Atmospheric Storage Tank Maintenance Elizabeth Spicer	Energy Integration Clean, One Solution Efficient. But, which They are the dangers Associates? A. Jimenez
	Making Inherently Safer Design (ISD) a Vibrant Part of Corporate Risk Management or "How to Do Effective 'Safer Technology Alternatives Assessments (STAA)" Anthony Downes	Goldilocks and the Three Fuels <i>Karen Vilas</i>	More information will be available soon	Hindsight Is 20/20: Lessons Learned from Reactive Chemical Incidents Amy Theis	Integrated Management Process Security: Real Time Risk V. Kapur
	Inherently Safer Design: Success Stories Narayanan Ganeshmani	Ammonia As a Safe Alternative for Transporting Hydrogen Seckin Gokce	More information will be available soon	Latent Failures Hiding in Plain (Hind)Sight - an Incident Case Study Nathaniel Mazur	Review By The System Address Security Management Of Processes, A Change Tool Cultural: GPS or Waze? A. Gomez

	Aoth C ( a Cl )		ednesday, April 9, 2025	4 4th To Great	
	40 <sup>th</sup> Center for Chemical Process Safety International Conference (CCPS)	59 <sup>th</sup> Annual Loss Prevention Symposium (LPS)	27 <sup>th</sup> Process Plant Safety Symposium (PPSS)	14 <sup>th</sup> Process Safety Management Mentoring (PSM <sup>2</sup> )	Perspectives on Process Safety from Around the Globe
8:00 AM - 9:30AM	Session #: Learning from Experience Location: Cortez AB Co-Chairs: John Champion, Carolyn Bott	Session #: Battery Safety in the Chemical Industry Location: Coronado CD Co-Chairs: Kathy Kas, Trey Morrison	Session #: Practical Applications Using Generative AI in Process Safety Location: Coronado A Co-Chairs: Brooke Beveridge, Jack Chosnek	Session #: Tutorials CCPS Location: Cortez CD Co-Chairs: Srihari Maganti & Lisa Long	Session #: Portuguese Session: Location: Coronado B Co-Chairs: Fábio Rossi and Luana Marques
	Building a Dependable Practice: Techniques for Embedding Process Safety Lessons in Shifts, Groups, and Teams Jody Jahn	Transportation Safety and Risk Analysis in Emerging Energy and Chemical Markets Steve Calabrese	Does "Better" Training Data Improve ChatGPT in Process Safety Applications? Beta- Testing Results of a Customized GPT Sahand Faraji	Hazardous Area Classification Methodology Comparison: NFPA, API, IEC Stuart Powell	Optimizing Operational Security: Prioritizing Critical Barriers in Offshore Units  I. B. Boa Morte Sr
	Developing Risk Management Maturity through Process Safety Indicators Americo Carvalho Neto Sr.	The Versatile VSP2: The New Battery Testing Apparatus <i>Kenneth Kurko</i>	AI-PSM: Progressing, but Not There Yet <i>Rainer Hoff</i>	The Business Case for Process Safety Samantha Scruggs	Security impacts of oil and gas asset transfer processes: insights from acquisition transitions. <i>N. Ferreira</i>
	Process Safety Cultural Cause Leading Indicators: How Well Are They Understood and Used? Bradley Eccles	CFD Analysis of Fireball and Explosion Hazards in Battery Energy Storage Systems Will Wholey	Intelligent Alarm Management: An AI Solution for Enhancing Anomaly Handling Efficiency and Safety Allan Su	Recovery from Natural Disasters Andrew Goddard	Application of Automated HAZOP in the Development of FPSO Projects. M. Oliveira
9:30 AM	Coffee and Networking Brea Location: Trinity Exhibit Hall			1	

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	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 #: 1013 Portuguese Session: Location: Coronado B Co-Chairs: Fábio Rossi e Luana Marques
	Simplify Process Safety Management Using Complexity Theory Paul Baybutt	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 Jarmain	Facing the End: Challenges in Maintaining Process Safety Discipline for Decommissioning Offshore Units. An applied case in the Campos Basin. E. Sousa Santos
	Aligning Process Safety Across Borders: Lessons from an international organization Ajaykumar Kakkanattu	The Applications of Gas Chromatography – Mass Spectrometry (GC-MS) in Process Safety Jilang He	Using IE and IPL Failure Rates to Optimize Critical Process Safety O&M Factors William Bridges	INVITED SPEAKER	Evolution Cycle of a Risk Management System in the Petrochemical Industry <i>C. Pereira Sr.</i>
	Mechanical Integrity for Research Scale Environments <i>Eddy Borchert</i>	Fire and Gas Detection Mapping: What It Is, and Why You Might Want to Do It! George Omerod	Strengthening Wells Process Safety Barriers Using Bow Tie Methodology Natalia Bellesi	INVITED SPEAKER	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 Location: Trinity Ballroom	1	1	1	1

1:30 PM	Session: Case Histories and Lessons Learned – GCPS Joint Session
_	Location: Trinity Ballroom
5:00 PM	Co-Chairs: Brenton Cox, Jessica Morris, Lydia Wright
1:30 PM	Opening remarks and Best Paper Awards
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  Nouman Butt
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	Closing Remarks