

Monday, April 19, 2021					
10:00 – 11:00	2021 AIChE Spring Meeting and 17th GCPS AGILE Award Keynote Address (Live) AGILE Award Keynote Address: “TBD” Presented by <i>Ilham Kadri</i> , CEO and President of the Executive Committee, Solvay				
11:30 – 12:30	GCPS Welcome Plenary & Keynote (Live Session) Welcome address by <i>Karen Study</i> , GCPS Chair and <i>Shakeel Kadri</i> , Executive Director & CEO, CCPS Keynote Address Presented by Corrie Pitzer , Founder and CEO SAFemap – “The latent triggers of disasters are alive - deep inside your company”				
13:30 – 14:30					
	36th Center for Chemical Process Safety International Conference (CCPS)	55th Annual Loss Prevention Symposium (LPS)	23rd Process Plant Safety Symposium (PPSS)	10th Process Safety Management Mentoring (PSMM)	Perspectives on Process Safety from Around the Globe
	<i>Session #13: Effective Process Safety Programs I: Enhancing Your Process Hazard Analysis Programs</i> Co-Chairs: Don Connolley, Fred Henselwood	<i>Session #11: Combustible Dust Hazards and Their Mitigations</i> Co-Chairs: Sam Rodgers, Kathy Kas	<i>Session #14: Forum - Yoda on Process Safety Episode II: My ally is Process Safety and a powerful ally it is (Live Panel)</i> Co-Chairs: Katherine Prem, Brooke Beveridge	<i>Session #20: The Day PSM Hit Home</i> Co-Chairs: Brent Cox, Bill Mosier	<i>Session # 19: Spanish Session: Gestion del la seguridad de procesos con base en riesgo</i> Co-Chairs: Eliana Berroteran, Juan Fernandez
15:00 – 15:20	More Issues with LOPA - from the Originators <i>Art Dowell & William Bridges</i>	Dust Explosion Protection System Deficiencies – Discovered Through Performing DHAs <i>Phil Parsons</i>	Panelist: <i>Gregg Kühne, BASF</i> <i>Scott Berger, Scott Berger LLC.</i> <i>Michelle Brown, FMC</i> <i>Louisa Nara, CCPS</i> <i>Jerry Forest, Celanese</i>	A Passion is Born <i>Don Connolley</i>	Herramientas y Factores Para El Diagnostico En La Implementación Del Sistema De Gestión De Seguridad De Procesos: Caso Práctico En La Industria De Los Hidrocarburos. <i>Oswaldo Mata</i>
15:20 – 15:40	Opportunities for Continual Risk Reduction By Applying Inherently Safer Design Strategies throughout the Process Lifecycle <i>David Jones</i>	The Case for Management Systems in Preventing Combustible Dust Explosions <i>Timothy Heneks</i>		How Leadership Decision Making Influences Safety Culture, Process Safety Events and Serious Injuries and Fatalities <i>David Libby</i>	Realizando auditorias de Sistemas de Gestion de Seguridad de Procesos (PSM) en Tiempos de Pandemia. <i>Catalina Novoa</i>

15:40 – 16:00	Protection Layers Integrity Management – an Illusion? <i>Rajender Dahiya</i>	Dust Explosions: A New Path to Estimate the Explosibility Characteristics of an Organic Powder <i>Matteo Pietraccini</i>		My Journey in Process Safety <i>Zhou Hua</i>	<i>El Gran Desafío. Gestión De Seguridad De Procesos En Tiempos De Crisis. Nestor Sposito</i>
16:00 – 17:00	Networking				
Tuesday, April 20, 2021					
9:30 – 10:30	Mike Tomasco , Vice President, Pfizer Digital Manufacturing <i>“Pfizer Global Supply’s journey from highly efficient manufacturing to the frontier of digital transformation of operations”</i>				
10:30 – 11:00	Break				
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	<i>Session #29: Effective Process Safety Programs II: Risk Based Process Safety</i> Co-Chairs: Don Connolley, Fred Henselwood	<i>Session #30: Engineered Safety Systems and Mitigation Technologies I</i> Co-Chairs: Amy Gray, Amy Theis	<i>Session #37: The Good, the Bad and the Ugly of Virtual Work Environments</i> Co-Chairs: Philip M. Myers, Michelle Brown	<i>Session #38: Tutorials in Process Safety: Loss Prevention Symposium (LPS) I</i> Co-Chairs: Trey Morrison, Irfan Shaikh	<i>Session #36: Process Safety Activities in China</i> Co-Chairs: Zhao Dongfeng, Meng Yifei
11:00 – 11:20	Improving Integration of Reactive Chemistry into an Established Risk Assessment Culture <i>Jessica Albert</i>	Impact of Simulation Methods on Column Relief Systems <i>Robert Foley</i>	"Hello? Can Everyone See My Screen Now?" - Conducting an Effective PHA from a Distance <i>Lauren Moyer</i>	Fire modeling basics <i>Jin Zhao</i>	China’s Chemical Industry Risk Prevention and Mitigation through Innovations and Regulatory Implementations <i>Da Wang</i>
11:20 – 11:40	Ecolab Process Safety Qualification Process <i>Nathan Thompson</i>	Is Your SIF Trying to Do Too Much? <i>Art Dowell</i>	Exercising Operational Agility in COVID-19 Training Sessions <i>Stuart Chia, Angelyn Wu and Simone Ligori</i>	Fire and gas detection systems and mapping <i>Bryant Hendrickson</i>	Inherently Safer Design Practice in Wanhua <i>JianWu Pu</i>
11:40 – 12:00	Effective Pre-Startup Safety Review: Tips and Tools for Ensuring Operational Readiness <i>Jody Olsen</i>	Determination of the Best Vent Stack Design for High-Pressure Hydrocarbon Blowdown	Virtual DHAs - Lessons from the Kitchen Table <i>Michelle Murphy</i>	Active fire suppression systems <i>Ray Rodriguez</i>	A Study on the Dynamic Management of Risk in China’s Chemical Industry <i>Chao Zhou</i>

		Using CFD Modelling – a Case Study <i>Amiza. Surmi</i>			
12:00 – 13:00	Networking				
13:00 – 13:30	Break				
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	<i>Session #47: Effective Process Safety Programs III: Operational Excellence</i> Co-Chairs: Jeff Fox, Jim Klein	<i>Session #48: Engineered Safety Systems and Mitigation Technologies II</i> Co-Chairs: Amy Gray, Amy Theis	<i>Session #44: Attorney Client Privilege Audits and Investigations</i> Co-Chairs: Vic Edwards, Lydia Wilkinson	<i>Session #58: Tutorials in Process Safety: Loss Prevention Symposium (LPS) II</i> Co-Chairs: Trey Morrison, Irfan Shaikh	<i>Session #56: Spanish Session: Análisis de riesgo y toma de decisiones</i> Co-Chairs: Eliana Berroteran, Catalina Novoa
13:30 – 13:50	Process Safety in Management by Walking, Around – Strengthening Leadership in Process Safety <i>Michelle Brown</i>	Flame Arrestor Failures in Industrial Equipment and Consumer Products <i>Michael Stern</i>	Current Challenges Performing PSM Audits <i>Michael Hazzan</i>	Passive fire protection systems <i>Bernard Leong</i>	Fichas De Continuidad Operativa Una Herramienta Para Apoyar La Toma De Decisión Gerencial Basada En Riesgo <i>Juan Manuel Ardito</i>
13:50 – 14:10	Designing and Delivering Operational Excellence <i>Scott Haney</i>	Importance of Safety Critical Devices and Emergency Shutdown Systems in a Process Plant <i>Sheikh Ahmad</i>	How to Leverage Attorney-Client Privilege for Effective Incident Investigations <i>Matthew Walters</i>	Vapor cloud explosion basics <i>Alfonso Ibarreta</i>	Implementación y Usos de Simulador Dinámico de Procesos en Unidad de Metanol Plaza Huincul <i>Luis A. Saavedra</i>
14:10 – 14:30	The Shift to Dynamic and Simulated Process Safety Risk Management <i>Simon Jones</i>	Design and Full-Scale Testing of a Blast-Resistant Roller Shutter Door <i>John Puryear</i>	Five Keys to Successfully Working with Attorneys during Complex investigations of Large-Consequence Incidents <i>Vernon Guthrie</i>	Blast-resistant design and construction <i>Paul Summers</i>	<i>Gestión De Malos Actores De Seguridad De Procesos</i> <i>Micaela Fernandez Terenzi</i>
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	<i>Session #64: Applications of New Technologies to Improve Process Safety</i> Co-Chairs: John Champion, Robert Coover	<i>Session #68: Facility Siting, Consequence Analysis and Risk Assessment I</i> Co-Chairs: Ron Willey, Manuel Herce	<i>Session #77: The Intersection of Cybersecurity and Process Safety</i> Co-Chairs: Jack Chosnek, James Martin	<i>Session #73: PSM Story Time</i> Co-Chairs: Scott Haney, Chris Israni	<i>Session #76: Spanish Session: Análisis de consecuencias y planes de emergencia</i> Co-Chairs: Eliana Berroteran, Heber Varela Alvarez
15:00 – 15:20	The e-Safetycase – Electronic or Effortless? Gareth Ellor	Gone with the Wind : Ventjet Is a New Engineering Model for Atmospheric Dispersion Derek Miller	Leveraging Existing PHA Studies to Assess Cybersecurity Risk James McGlone	The Departure of the Undernourished Farmhand Bruce Vaughen	<i>ROSE Tool: Análisis Forense De La Integridad De Activos En Plantas De Oil & Gas</i> Cesar Puma Medina
15:20 – 15:40	Procedure Simulators That Ensure Your Procedures Are Accurate, Operators Are Fully Competent and the Payback Is Always Less Than 1 Year Christian McDermott	Concepts for a Toxic Facility Siting Program Chris Buchwald	Integrating Process Safety and Cybersecurity in Chemical Process Industry for Better EHSs Performance Ashit Dalal	Nuisance Alarms and the Boy Who Cried Wolf – How to Create a Happy Ending Todd Stauffer	¿Como Alcanzar Una Protección Contra Incendio Eficiente? El Fire Hazard Analysis (FHA) Como Herramienta De Optimización De Seguridad Contra Incendios Alejandro Jimenez
15:40 – 16:00	Process Safety Integrated Map in Power BI Layane Oliverira	Facility Siting - Negotiating the Minefield of “Maximum Credible Event” Kristen Graham	How Is Cybersecurity Changing Process Safety? Patrick O'Brien	My MOC Stories: Making Process Safety Tangible Jody Olsen	¿Cuándo Aplicar Un Fera: Fire and Explosion Risk Assessment? Andrei Núñez
16:00 – 17:00	Networking				
Wednesday, April 21, 2021					
9:30 – 10:30	Kenneth Lane , Executive Vice President, Global Olefins & Polyolefins (O&P), LyondellBasell “Advancing the Circular Economy”				
10:30 – 11:00	Break				

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	<i>Session #92: Live Dragons – Know Your Process Safety Hazards</i> Co-Chairs: Jennifer Mize, Sean Dee	<i>Session #87: Facility Siting, Consequence Analysis and Risk Assessment II</i> Co-Chairs: Ron Willey, Manuel Herce	<i>Session #93: Meaningful Leading Indicators that Drive Change</i> Co-Chairs: Rainer Hoff, Jerry Forest	<i>Session #96: Tutorials in PPSS I: Lack of Attention has Consequences for Process Evaluation</i> Co-Chairs: Mike Hazzan, Brian Dickson, Michelle Brown	<i>Session #95: Spanish Session: Ciberseguridad y sistemas instrumentados de seguridad</i> Co-Chairs: Eliana Berroteran, Matías Massello
11:00 – 11:20	Slaying the Dragons That Sabotage Protection Measures to Feed on the Ash of Your Plant Denise Chastain-Knight	Leveraging CFD to Effectively Evaluate Sensitivity to Ignition Location When Designing for Explosion Loads Drew Botwinick	Proactive Approach in Improving Process Safety Performance at Hydrocarbon Industry Mohammad Al Nashwan	Leveraging Process Knowledge and Process Safety Information (PSI) for Process Safety Management (PSM) Success Keith Lennon	<i>SRS, El Eslabón Perdido De La Seguridad Funcional</i> Romel Rodriguez
11:20 – 11:40	“I Didn’t Inhale, and Never Tried It Again.” Proper Handling of Toxic Inhalation Hazard (TIH) Chemicals in Plants and during Transportation Mike Broadribb	Minimizing Risk of Unit Trains of Hazmat Jessica Morris	Integrated Leading Indicators and Their Effectiveness Evaluation Mahwish Shahzadi	How Long between Cause and Consequence in a PHA? Patrick Fisher	Gestión De Inhibiciones De Sistemas De Seguridad – Caso De Implementación Fernando Pawolocki
11:40 – 12:00	Means to Achieve Backflow Prevention of Hazardous Chemicals from Process Vessels to Utility Pipelines and Its Importance during HAZOP Studies Deepak Sharma	Evaluation Protocols for Flammable and Toxic Dispersion Models Filippo Gavelli	Process Safety Leading Indicators Dictates Lagging Indicators Muhammad Haider	Conducting Hazops That Are Good and Don’t Just Look Good Michael Moosemiller	Importancia De Las Pruebas Periódicas Durante El Diseño Del SIS Jonathan De Los Santos
12:00 – 13:00	Networking				
13:00 – 13:30	Break				

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	<i>Session #109: Process Safety in Unusual Situations</i> Co-Chairs: Eddie Dalton, Andrew Goddard	<i>Session #104: Fires, Explosions and Chemical Reactivity I</i> Co-Chairs: Sam Wang, Jessica Morris	<i>Session #110: Repeat incidents – Enough already!</i> Co-Chairs: Ian Mylenbusch, Neha Rajan	<i>Session #111: Tutorials in PPSS II: When Process Deviation is Normalized</i> Co-Chairs: Mike Hazzan, Brian Dickson, Michelle Brown	<i>Session #108: Portuguese Session: Gestão da Segurança de Processos baseada em Risco</i> Co-Chairs: Luana Santos, Andres F. Valencia
13:30 – 13:50	Keeping Process Safety Management Intact during Global Pandemic <i>Salman Shafique</i>	Lifting the Fog Off Hydrocarbon Mist Explosions <i>Stephanie El – Zahlanieh</i>	Driving Continuous Process Safety Improvement from Investigated Incidents <i>Scott Berger</i>	Writing in the Margins: Considerations for Safe Operating Limits <i>Sean Dee</i>	Barrier Management, an Application for Events Not Related to Loss of Containment <i>Flavia Carreiro</i>
13:50 – 14:10	Pandemic Risk Management; Protecting People While Ensuring Business Continuity <i>James Sneddon</i>	Fire Relief Sizing for Heavy Petroleum with Cracking Freeman Self	Lessons Learned - How to Make Them Stick <i>Jack Chosnek</i>	Addressing Common PSM Audit Findings on Operating Limits and Safe Limits <i>James Thompson</i>	Process Safety Analysis Considering Human Factors in High Tech Industries <i>Josué França</i>
14:10 – 14:30	Relief System Design Revalidation Warranted during Current Pandemic <i>Shailesh Saraykar</i>	Large Volume Liquid Hydrogen Releases: Key Results and Outcome of Modelling Exercises Dan Allason	Drastic Reduction in Repeat Incident Utilizing Neuroscience Approach (Visual Thinking) <i>M. Ahsan Sarfraz</i>	Determining the Effectiveness of the Human Safeguard <i>James Topp</i>	Controle De Risco Em Planos De Bloqueio De Tubulação Usando Gêmeo Digital <i>Silvio Cesar Godinho Teixeira</i>
14:30 – 15:00	Break				
15:00 – 16:00	GCPS Poster Session Co-Chairs: Ralph Zhao, Deepak Sharma, Srihari Maganti				
16:00 – 17:00	Networking				
Thursday, April 22, 2021					
9:30 – 10:30	Laura Matz , EMD Performance Materials Vice President, Planarization; Navin Kunde , EMD Performance Materials Vice President, Planarization; and Dave Parrillo , Vice President of R&D, Dow Industrial Intermediates & Infrastructure R&D “Industry Perspectives on Learning and Innovation”				
10:30 – 11:00	Break				

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	<i>Session #132: Non-Traditional Applications of Process Safety</i> Co-Chairs: San Burnett, Jennifer Brittain	<i>Session #129: Fires, Explosions and Chemical Reactivity II</i> Co-Chairs: Sam Wang, Jessica Morris	<i>Session #130: Front-Line Human Performance</i> Co-Chairs: Kathy Shell, Jenniffer Villalobos	<i>Session #134: Tutorials in Process Safety: Center for Chemical Process Safety (CCPS) International Conference I</i> Co-Chairs: Jennifer Mize, Matt Walters, Todd Drennen	<i>Session #131: Japan's Process Safety Progress</i> Co-Chairs: Masaki Nakagawa
11:00 – 11:20	Risk Assessment and Safeguarding of Lithium Ion Battery Containing Facilities <i>Edward Marszal</i>	Reactive Metal Waste Particulate Combustibility Bob Zalosh	Progressive Approach to Promote Hazards Reporting at Grass-Root Level <i>Fatima Babar</i>	Why Do We Keep Having Incidents? <i>Pete Lodal</i>	A Study of Method for Estimating Induction Time until Polymerization Runaway of Polymerization Monomer <i>Ikkei Tanabe</i>
11:20 – 11:40	HIRA in Mining Companies Is Necessary and a Big Challenge <i>Americo Carvalho Neto</i>	Dangerous When Wet: Exploring Important Differences in Common Water Reactivity Testing Methodologies <i>Amy Theis</i>	Oops, We Did It Again: Reducing Human Error-Induced Truck Unloading Events <i>Sarah Eck</i>	Don't Fall Through The Cracks! Considering Boundary Scenarios in PHAs <i>M. Jacob Alvarez</i>	Structure Packing Fire Risk and Mitigation Plan at Distillation Column – Eneos Corporation Oita Refinery <i>Toshinobu Sasaki</i>
11:40 – 12:00	The Analysis of the Very Serious Marine Casualty Accidents with Container Ships in the Last 20 Years Shows How Process Safety Can Provide Valuable Information That Can Prevent It <i>Carlos Camargo</i>	Novel Approach to Developing Hazardous Area Classification Boundaries David Wechsler	Human Factors Implementation – for Plant Workers <i>William Bridges</i>	Got Dust?: Performing a Dust Hazard Analysis (DHA) <i>Tim Myers & Alfonso Ibarreta</i>	The Method of Reviewing HAZOP Worksheet with Risk Evaluation <i>Keita Iida Sr.</i>
12:00 – 13:00	Networking				
13:00 – 13:30	Break				

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	<i>Session #141: Making Process Safety Messaging Sticky</i> Co-Chairs: Lauren Moyer, Jim Martin	<i>Session #139: Human Factors and Human Reliability</i> Co-Chairs: Trey Morrison, Elliot Wolf	<i>Session #140: Increasing the Value of Facility Siting</i> Co-Chairs: Fred Gregory, Srihari Maganti	<i>Session #143: What is Hiding Under the Radar?</i> Co-Chairs: Denise Chastain-Knight, Lisa Long
13:30 – 13:50	“If You Really Think It’s That Important—Show Me, Don’t Tell Me!” <i>Jennifer Mize</i>	Mobile Computing for Procedure Execution Facilitation to Reduce Risk <i>Edward Marszal</i>	The Global Importance of Facility Siting, Community Planning and Emergency Response <i>Louisa A. Nara</i>	Nothing Lasts Forever: Items Missing from Your Preventative Maintenance System. <i>Pamela Nelson</i>
13:50 – 14:10	<i>C.P. Snow’s “Two Cultures” Challenging CCPS Process Safety Culture - Chemical Engineers’ Roadmap to Bridging Engineering to the Humanities</i> Steven Zhang	Control Room Design – Could We Have Anticipated a Pandemic? <i>David Lee</i>	How Safe Is Your Safe Haven? <i>Brian Thomas</i>	Managing Process Safety Effectively through Proactive Emergency Response Management <i>Kairul Zaman M Noh</i>
14:10 – 14:30	Good or Great? the Seven Practices of Great Process Safety Leaders <i>Jim Spigener</i>	Human Factors for Process Safety: A Handbook By the Centre for Chemical Process Safety and the Energy Institute <i>Michael Wright</i>	Location of Temporary Buildings at LNG Site based on Quantitative Studies <i>Sushen Vithal</i>	You Have SIS Bypassed Right Now and Don’t Know It. <i>Edward Marszal</i>
14:30 – 15:00	Break			
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	<i>Session #148: Process Safety Vital Signs</i> Co-Chairs: Chris Israni, Mitchell LaFond	<i>Session #147: LNG Safety</i> Co-Chairs: Morgan Reed, Kathy Pearson	<i>Session #152: You Have Completed Your DHAs - Now What?</i> Co-Chairs: Chip Howat, Tracy Carter	<i>Session #151: Tutorials in Process Safety: Center for Chemical Process Safety (CCPS) International Conference II</i> Co-Chairs: Jennifer Mize, Matt Walters, Todd Drennen
15:00 – 15:20	Measuring Vital Signs of Process Safety Culture <i>Hamza Hameed</i>	Too Many or Not Enough? a Methodology for Fire and Gas	DHA Findings - so You’re out of Compliance, What Now? <i>Adam Connor</i>	“Why Do I Have Relief System Inadequacies NOW?” Incidents and Industry Events That Have

		Detector Layouts at LNG Facilities <i>Bryant Hendrickson</i>		Influenced Changes in Relief System Design <i>Lauren Hendrickson & John Kelly</i>
15:20 – 15:40	In Process Safety - Is 14 Audit Findings a Good Vital Sign, <i>Larry Lepard</i>	What Is the Safest Hazard Assessment Approach for Distances to Storage Tanks? <i>Jessica Morris</i>	How to Make Your DHA Make a Difference <i>John Wincek</i>	
15:40 – 16:00	Making Zero a Reality: Selecting & Measuring the “Right” Zero <i>Michael Taube</i>	Develop a CFD Heat Transfer Model for Using High Expansion Foam in an LNG Spillage <i>Zhuoran Zhang and Q. Wang</i>	Taking Action on Your DHA Action Items <i>Brenton Cox</i>	MOC: Manage Change or it Will Manage You <i>Brenda Seggerman</i>
16:00 – 17:00	Networking			
Friday, April 23, 2021				
Session #156: GCPS Joint Session: Case Histories I (Live Session)				
Co-Chairs: Sean Dee, Nicole Loontjens, Henry Dwight				
9:30 – 9:50	It Was a Dark and Stormy Night – Investigation of Acrylate Storage Tank Explosions <i>Trey Morrison</i>			
9:50 – 10:10	Process Safety in Transit: A Fatal Explosion of a Truckload of Ammonium Nitrate <i>Mike Schmidt</i>			
10:10 – 10:30	Dam(n) Safety Lessons: Risk Based Process Safety Principles Applied to a 2020 Dam Failure <i>Michael Snyder</i>			
10:30 – 11:00	Break			
Session #160: GCPS Joint Session: Case Histories II				
Co-Chairs: Henry Dwight, Sean Dee, Nicole Loontjens				
11:00 – 11:20	Which Eye Are You Looking through? the Impact of Cognitive Bias on Process Safety <i>Trish Kerin</i>			
11:20 – 11:40	Unusual Hydrogen Explosions Due to Unanticipated Metal-Water Reactions <i>Bob Zalosh</i>			
11:40 – 12:00	Port of Beirut Lebanon Explosion – Analysis and Impacts <i>David Moore</i>			
12:00 – 13:00	Networking			
13:00 – 13:30	Break			