

Monday, March 30, 2020	
7:00 AM	2020 AIChE Spring Meeting and 16th GCPS AGILE Keynote Continental Breakfast Hilton Americas, Ballroom of Americas B-F
8:00 AM	Session #1: 2020 AIChE Spring Meeting and 16th GCPS AGILE Award Keynote Address Hilton Americas, Ballroom of Americas B-F Welcome and Introductions Presented by Monty M. Alger , AIChE President and June C. Wispelwey , Executive Director and Chief Executive Officer, AIChE AGILE Award Keynote Address: “Beyond the horizon: The Factors and Forces Affecting the Global Petrochemical Industry” Presented by Bhavesh V. (Bob) Patel , Chief Executive Officer, LyondellBasell
9:15 AM	Coffee and Networking Break GRB Conv. Ctr. Exhibit Hall E
9:40 AM	Session #7: 16th GCPS Welcoming Plenary Session Hilton Americas, Ballroom of Americas B-F 16th GCPS Introduction and Welcome: Shakeel Kadri (<i>Executive Director & CEO, CCPS</i>) and Samantha Scruggs (<i>GCPS Chair</i>) Programming Introductions by: John Champion , 35 th Center for Chemical Process Safety (CCPS) International Chair Jérôme Taveau , 54 th Annual Loss Prevention Symposium (LPS) Chair Jerry Forest , 22 nd Process Plant Safety Symposium (PPSS) Chair Brian Dickson , 9 th Process Safety Management Mentoring (PSMM) Chair Sergio Fernandez , Perspectives on Process Safety from Around the World Chair Plenary Keynote Address Presented by Shakeel Kadri , Executive Director & CEO, CCPS – “Does Age Really Matter?”
10:25	Break

	35 th Center for Chemical Process Safety International Conference (CCPS)	54 th Annual Loss Prevention Symposium (LPS)	22 nd Process Plant Safety Symposium (PPSS)	9 th Process Safety Management Mentoring (PSMM)	Perspectives on Process Safety from Around the Globe
	<p>Session #14: Managing Hazards Throughout the Manufacturing Lifecycle GRB Conv. Ctr. 360 Co-Chairs: Andrew Goddard, Lauren Moyer</p>	<p>Session #10: Combustible Dust Hazards and Their Mitigation GRB Conv. Ctr. 370 Co-Chairs: Farzin Sabet, Manuel Herce</p>	<p>Session #12: "I Just Didn't Think" - Improving Situational Awareness GRB Conv. Ctr. 361 Co-Chairs: Kathy Shell, Chip Howat</p>	<p>Session #13: LPS Tutorials in Process Safety I: Connecting Mechanical Integrity to Consequences GRB Conv. Ctr. 371 ABD&E Co-Chairs: Trey Morrison, Irfan Shaikh, Andrew Staszak</p>	<p>Session #15: Spanish Session: Gestión de la seguridad de procesos con base en riesgo GRB Conv. Ctr. 371C&F Co-Chairs: Eliana Berroteran, Juan Fernandez</p>
10:30 AM	<p>Opportunities for Continual Risk Reduction By Applying Inherently Safer Design Strategies throughout the Process Lifecycle David A. Jones & Berndt Moeller <i>JCL Risk Services LLC</i></p>	<p>NFPA 652: The Gap between Industry's Understanding and Compliance Vahid Ebadat <i>Stonehouse Process Safety</i></p>	<p>Using Post -Incident Behavioral Analysis Techniques to Compliment Incident Investigations Jennifer McDonald <i>W.R. Grace</i></p>	<p>Basics of Corrosion and Fracture Mechanics Eric Weishaupt <i>ESI</i></p>	<p>Un Error Humano?!!!!.Caso De Estudio De explosión De Un Recipiente De Condensado Nestor H. Sposito <i>CCPS Staff Consultant</i></p>
11:00 AM	<p>Leveraging Process Safety Techniques in Early Phases of Capital Projects to Optimize Risk Reduction and Project Costs Karen Vilas <i>BakerRisk</i></p>	<p>On the Occurrence of Flame Instabilities during Dust Explosions Kees van Wingerden <i>GexCon</i></p>	<p>Designing Operator Tasks to Minimize the Impact of Heuristics and Biases Dave Grattan <i>aeSolutions</i></p>	<p>Common Failure Mechanisms and Failure Modes for Vessels and Piping John Norris <i>Stress Engineering Services, Inc.</i></p>	<p>PSM-Road Map: La Herramienta Tecnica Para Implementar Rbps Cesar Augusto Puma <i>Graña Montero Petrolera</i></p>
11:30 AM	<p>Is It Time for an Overhaul? Deciding between Short-Term and Long-Term Solutions in Aging Infrastructure Sean Dee <i>Exponent, Inc.</i></p>	<p>Numerical modelling of pressure piling using OpenFOAM Martin P. Clouthier <i>Jensen Hughes</i></p>	<p>Improving Situational Awareness Using Advanced Operator Displays Christi Mezzic <i>Emerson</i></p>	<p>Mechanical Failure Mechanisms in Rotating Equipment Such as Mechanical Seals Mike Huebner & Scott Svendsen <i>Flowserve</i></p>	<p>Oiem LPG Company Luis donoso Roblero <i>abastible s.a.</i></p>

12:00 PM	Luncheon with Speaker: Name , title "Presentation Title" Hilton Americas, Ballroom of Americas B-F				
	Session #33: Vision 20/20 - Successes from the Last Decade GRB Conv. Ctr. 360 Co-Chairs: Fred Henselwood, Tracy Whipple	Session #26: Emerging Topics and Technologies I GRB Conv. Ctr. 370 Co-Chairs: Seshu Dharmavaram, Lisa Long	Session #25: Effective Management Review for Continuous Improvement GRB Conv. Ctr. 361 Co-Chairs: Jack Chosnek, Michael Hudec	Session #29: LPS Tutorials in Process Safety II: Connecting Mechanical Integrity to Consequences GRB Conv. Ctr. 371 ABD&E Co-Chairs: Trey Morrison, Irfan Skaikh, Andrew Staszak	Session #32: Spanish Session: Análisis de riesgo y toma de decisiones GRB Conv. Ctr. 371C&F Co-Chairs: Eliana Berroteran, Matias A. Massello
1:30 PM	Holy Cow, It's 2020! Now What do I do? Jack McCavit <i>JL McCavit Consulting, LLC</i>	AI As Ally in Hazard Analysis Thomas Garvin <i>IBM</i>	What Has Your Management System Done for You Lately? Megan Weichel & Tone Rice <i>DNV GL</i>	Characterizing Release Source Term and the Effects on Release Mechanisms SreeRaj R. Nair <i>Chevron</i>	Proyecto de formación de Líderes de PHA internos Pablo Gonzalez <i>Pan American Energy</i>
2:00 PM	Improving Industry Process Safety Performance through Responsible Collaboration Alyse Keller <i>AFPM</i>	Integration of Process Safety Risk Management with Asset Digital Twins Zoë Wattis <i>DNV GL</i>	Use of Live Barrier Health Models to Proactively Manage Risk Joseph an Aquing-Bissoon <i>Atlantic LNG Company of Trinidad and Tobago</i>	Estimating, Modeling, and Detecting Flammable and Toxic Releases Melissa Holliday <i>The Dow Chemical Company</i>	PSSR. Cómo asegurar una puesta en marcha segura trabajando a la par de los tiempos de construcción y comisionado. De la teoría a la realidad Sergio Daniel Gavin <i>Pan American Energy</i>
2:30 PM	PSM 'towards Zero' - Ptt Group Barrier Management Journey - Case Study Stuart Chia <i>Sherpa Consulting</i>	The Future of Explosion Modeling – Using Adaptive Meshing to Simplify and Reduce the Effort of Modeling Andrew Staszak <i>SciRisq</i>	Determination of Process Safety KPI and Management Review to Improve Process Safety Performance & Corporate Achievement Dannys Setyadi Wibawa <i>Pupuk Kaltim</i>	Preventing and Mitigating Toxic and Flammable Releases Jatin Shah <i>BakerRisk</i>	Aplicacion De Bowties Para SIF-ALAR De Eventos Mayores En El Golfo De Mexico Yaneira Saud <i>ERM</i>
3:00 PM	Coffee and Networking Break GRB Conv. Ctr. Exhibit Hall E				

	<p>Session #53: Vision 20/20 - Visions of the Future GRB Conv. Ctr. 360 Co-Chairs: Don Connolley, Jeff Fox</p>	<p>Session #47: Emerging Topics and Technologies II GRB Conv. Ctr. 370 Co-Chairs: Seshu Dharmavaram, Lisa Long</p>	<p>Session #52: Training the Next Generation of Operators GRB Conv. Ctr. 361 Co-Chairs: Nicole Loontjens, Ian Mylenbusch</p>	<p>Session #49: PPSS Tutorials in Process Safety I: Relief Systems & Change GRB Conv. Ctr. 371 ABD&E Co-Chairs: Denise Chastain-Knight, Freeman Self</p>	<p>Session #51: Spanish Session: Análisis de consecuencias y planes de emergencia GRB Conv. Ctr. 371C&F Co-Chairs: Eliana Berroteran, Herber Varela</p>
3:30PM	<p>Vision 20/20 – Shaping the Future of Process Safety Anne O'Neal Chevron</p>	<p>Analytics and Metrics for Process Hazards Analysis Paul Baybutt Primatech</p>	<p>AFPM Immersive Learning Danny Forest AFPM</p>	<p>Flares Are the End of the Line; Selecting and Permitting Rimon Vallavanatt Bechtel</p>	<p>Seguridad De Procesos En Perforacion y Workover - a Traves De Una investigacion De Incidente Fernando Pawolock YPF</p>
4:00 PM	<p>Process Safety Academic Education a Path Forward T Michael O'Connor Mary Kay O'Connor Process Safety Center</p>	<p>PHA Documentation and Minimizing Human Error Ronjit Mukherjee Risk Sciences</p>	<p>Modernize Learning with AI, XR and Microlearning Coral Siminovich AVEVA</p>	<p>Top Ten Questions to Ask about Pressure Relief Systems in a Process Hazard Analysis Todd W. Drennen & Adam D. Connor BakerRisk</p>	<p>Integracion De La gestión De Emergencia Durante La Etapa De Diseño Alejandro Jimenez</p>
4:30 PM	<p>Beyond Vision 20/20 Billy B Bardin The Dow Chemical Company</p>	<p>Advanced Process Control – Striving for Real Time Optimization at One of the Largest Single Train Ammonia-Urea Complex Safi Ullah Khan Engro</p>	<p>University Engagement to Improve Safety Education Kok Hwa Lim Singapore Institute of Technology</p>	<p>Management of Change (MOC) Basics for Plant Engineers Wayne Garland Eastman Chemical Company</p>	<p>Sistema de Gestión de Contingencias y Manejo de Crisis en el Sector Petroleo y Gas Alberto Casco Casco Consulting Group</p>
5:00 PM	<p>Session #56-57: Spring Meeting & GCPS Poster Session and Cocktail Reception (Includes electronic presentations of select posters) Co-Chairs: Mike Moosemiller, Yaneira Saud, Michael F Hudec, David Hietala GRB Conv. Ctr. Exhibit Hall E</p>				

Tuesday, March 31, 2020					
	35 th Center for Chemical Process Safety International Conference (CCPS)	54 th Annual Loss Prevention Symposium (LPS)	22 nd Process Plant Safety Symposium (PPSS)	9 th Process Safety Management Mentoring (PSMM)	Perspectives on Process Safety from Around the Globe
	<p>Session #69: How to Achieve What Seems Impossible - Zero Incidents GRB Conv. Ctr. 360 Co-Chairs: Rob Coover, Chris Israni</p>	<p>Session #64: Engineered Safeguards: Pressure Relief and Safety Instrumented Systems I GRB Conv. Ctr. 370 Co-Chairs: Trey Morrison, Kathleen Kas</p>	<p>Session #73: Preventing LOPCs from Piping Systems GRB Conv. Ctr. 361 Co-Chairs: Fred Gregory, Lydia Wilkinson</p>	<p>Session #62: CCPS Tutorials in Process Safety I: The Tenets of Vision 20/20 – Focus on Process Safety GRB Conv. Ctr. 371 ABD&E Co-Chairs: Jennifer Mize, Brent Cox</p>	<p>Session #78: Spanish Session: Sistemas instrumentados GRB Conv. Ctr. 371C&F Co-Chairs: Eliana Berroteran, Manuel Herce</p>
8:00 AM	<p>An Operator's Journey to Improve Performance through a Process Safety Task Force <i>Elise Diaz</i> <i>Chevron Australia</i></p>	<p>A Staged Approach to Relief System Design for Reactive Materials <i>Benjamin Doup</i> <i>Fauske</i></p>	<p>Reduction of Loss of Process Containment (LOPC) in Refinery – A to B Journey <i>Bejoy Bharatiya</i> <i>Saudi Aramco Shell Refinery Company</i></p>	<p>Vision 2020 Introduction <i>Jeff Fox</i></p>	<p>Seguridad Cibernetica y Seguridad Funcional, Un Enfoque Global y Pragmatico <i>Alejandro Esparza</i> <i>Exida</i></p>
8:30 AM	<p>Let's Prevent at Start! PSM from Concept to Commissioning - KOC Way <i>Majed Al-Mutairi</i> <i>Kuwait Oil Company</i></p>	<p>Modeling Pressure Relief Devices Mounted on a Common Inlet Manifold <i>Neil Prophet</i> <i>ioMosaic</i></p>	<p>Asset/Mechanical Integrity – A PSM Element that Still Bedevils <i>Michael Hazzan</i> <i>AcuTech Group, Inc.</i></p>	<p>Committed Culture <i>Eric Freiburger</i> <i>Linde</i></p>	<p>Mejorando La Integridad De Las Funciones De Paro De Pozo Por Alta Presion <i>Pablo Levi</i> <i>Pan American Energy</i></p>
9:00 AM	<p>50 Million Safe Man-Hours without Zero Lost Time Incident - a Success Story <i>Usman Ali</i> <i>Fatima Fertilizers Company Limited</i></p>	<p>Analytical Modeling to Study the Effect of Inlet Piping on the PRV Chatter Phenomenon <i>Basar Ozar</i> <i>Jensen Hughes</i></p>	<p>Technical Drive at Maintenance Pillars (TPM) to Boost PS Performance <i>Balajee Raman</i> <i>Ecolab Ltd</i></p>	<p>What Makes a Management System "Vibrant"? <i>Gregg Kühne</i> <i>BASF</i></p>	<p>Estamos Listos Para Operar y Mantener Nuestros Sistemas Instrumentados De Seguridad? <i>Romel Rodriguez</i> <i>CSF</i></p>
9:30 AM	<p>Coffee and Networking Break GRB Conv. Ctr. Exhibit Hall E</p>				

	<p>Session #93: Maximize Value from your Process Safety Learnings GRB Conv. Ctr. 360 Co-Chairs: Rainer Hoff, Michell LaFond</p>	<p>Session #85: Engineered Safeguards: Pressure Relief and Safety Instrumented Systems II GRB Conv. Ctr. 370 Co-Chairs: Trey Morrison, Kathleen Kas</p>	<p>Session #92: LOPA in Action: Protection Layer Integrity Management GRB Conv. Ctr. 361 Co-Chairs: Philip M. Myers, Ray Mentzer</p>	<p>Session #100: The Day PSM Hit Home GRB Conv. Ctr. 371 ABD&E Co-Chairs: Chris Israni, Faraz Khan</p>	<p>Session #98: Process Safety Activities in China I GRB Conv. Ctr. 371C&F Co-Chairs: Dongfeng Zhao, Yifei Meng</p>
10:15AM	<p>Process Safety Near Misses Are Warning Signs for a Major Incident Rajender Dahiya AIG</p>	<p>Best Practices for Loading/Unloading Hoses to Enhance Active Independent Protection Layers Daylen Borders Smart-Hose Technologies</p>	<p>Implementing LOPA in a Global Organization Katherine Pearson BP</p>	<p>The Day After... Bradford M. Lurette Marathon Petroleum</p>	<p>Risk Early Warning and Hierarchical Supervision for the Full Life Cycle of Hazardous Chemicals Jingwen Cui SINOPEC</p>
10:45 AM	<p>Preserving and Sharing Learning through Use of Disruptive Digital Tools Rohan Vardekar Reliance Industries</p>	<p>Connected Worker: Digital Rounds and Checklists Jordan Oligmueller AdvanSix</p>	<p>Making Sure Initiating Events (IEs) and Independent Protection Layers (IPLs) are Included in Integrated Management Systems William Bridges PII</p>	<p>Make it Easy for Operators to do the Right Thing Nicole Loontjens Americas Styrenics</p>	<p>Fine Chemical Reaction Hazard Study and Process Risk Assessment Chunsheng Cheng Shenyang Research Institute of Chemical Industry</p>
11:15 AM	<p>Operational Learning - When Does It Start and When Does It End? Chelsea Miller Chevron</p>	<p>Flammable Liquid Atmospheric Storage Tank Pressure Relief: Quantifying a Hidden Hazard Elizabeth Spicer Virginia Tech</p>	<p>Two Full Capacity Generators – Why is the Calculated Emergency Power System PFD So High? Art Dowell III PII</p>	<p>Where Process Safety and Emerging Technology Intersect Michael Hallgarth Flint Hills Resources</p>	<p>A Study on the Dynamic Management of Risks in China's Chemical Industry Chao Zhou China University of Petroleum</p>
11:45 AM	<p>Luncheon with Speaker: Mark Johnson, Thomas F. Hash Endowed Chair in Sustainable Development & Professor of Materials Science, Clemson University “Presentation Title” Hilton Americas, Ballroom of Americas B-F</p>				

	<p>Session #112: Leadership in Process Safety from the Shop Floor to the Board Room I GRB Conv. Ctr. 360 Co-Chairs: Jessica Albert, San Burnett</p>	<p>Session #106: Facility Siting, Consequence Analysis, and Risk Assessment I GRB Conv. Ctr. 370 Co-Chairs: Sam Rodgers, Amy Theis</p>	<p>Session #113: Leading Indicators to Prevent Process Safety Incidents I GRB Conv. Ctr. 361 Co-Chairs: Rainer Hoff, Jim Martin</p>	<p>Session #120: What Should be Keeping You Up at Night But Isn't GRB Conv. Ctr. 371 ABD&E Co-Chairs: Bill Mosier, Michael Morris, Lisa Long</p>	<p>Session #116: Process Safety Activities in China II GRB Conv. Ctr. 371C&F Co-Chairs: Dongfeng Zhao, Yifei Meng</p>
1:30 PM	<p>Senior Leader Perspective on Managing BHP's Most Material Risk Derek Cardno BHP</p>	<p>The Impacts of Ignition Source Assumptions on Quantitative Risk Assessments Stewart Price DNV</p>	<p>Process Safety Index - an Objective, consistent Method for Evaluating the Balance between Hazards and controls David Hatch Process Safety Integrity</p>	<p>Near Miss Incident Case Study – Loss of Reactor Cooling Wayne Garland Eastman Chemical Company</p>	<p>The Practice of HSE Management System in Petroleum Company Yun Niu China University of Petroleum</p>
2:00 PM	<p>High Reliability Organizations - Application of US Nuclear Navy Extreme Operational Excellence Principles in the Oil and Gas Industry Bryan Lethcoe, High Reliability Group LLC</p>	<p>Human Reliability Analysis for Oil and Gas Operations: Analysis of Existing Methods Marilia Ramos & Camile Major UCLA/Chevron</p>	<p>Leading Metrics for Process Safety Susan Frizzell Adley Services, LLC</p>	<p>Lessons Learned from Scenarios Found during PHA of Startup, Shutdown, and Online Maintenance Revonda Tew Process Improvement Institute, Inc.</p>	<p>Discussion on Implementation of the Inherently Safer Strategies in China Chemical Industry Huanyun Fang China Chemical Safety Association</p>
2:30 PM	<p>My Lessons for Process Safety Leadership Trish Kerin IChemE</p>	<p>Leveraging CFD to Effectively Evaluate Sensitivity to Ignition Location When Designing for Explosion Loads Drew Botwinick GexCon</p>	<p>The Journey Towards Zero Alarms - an Integrated Approach to Process Alarm Elimination Satrujeet Dey Honeywell Connected Plant</p>	<p>The Evolution of Emergency & Crisis Management in Petronas Saira Hanim Shamsi Petronas</p>	<p>A Revolutionary IIoT approach to real time monitoring for Process Safety in China Michael D. Scott aeSolutions</p>
3:00 PM	<p>Coffee and Networking Break GRB Conv. Ctr. Exhibit Hall E</p>				

	<p>Session #133: Leadership in Process Safety from the Shop Floor to the Board Room II GRB Conv. Ctr. 360 Co-Chairs: Jennifer McDonald, Jennifer Mize</p>	<p>Session #129: Facility Siting, Consequence Analysis, and Risk Assessment II GRB Conv. Ctr. 370 Co-Chairs: Sam Rodgers, Amy Theis</p>	<p>Session #134: Leading Indicators to Prevent Process Safety Incidents – Session II GRB Conv. Ctr. 361 Co-Chairs: Vic Edwards, Jeff Stawicki</p>	<p>Session #141: "What I need to know when I get up in the morning" GRB Conv. Ctr. 371 ABD&E Co-Chairs: Scott Haney, Stephen Zhang</p>	<p>Session #136: Portuguese Session: Gestão da Segurança de Processos baseada em Risco GRB Conv. Ctr. 371C&F Co-Chairs: Luana Santos, Andres F. Valencia</p>
3:45 PM	<p>Safety Culture Leadership Journey: 1980-2030, from the Culture of Denial to Operational Discipline Martin Enrique Fernández <i>Whycomm</i></p>	<p>Pressure Relief Location - a Hidden Hazard William Giang <i>PSRG</i></p>	<p>Top Key Performance Indicators Measurable through Safety Instrumented Systems Caleb Mellbom <i>Schneider Electric</i></p>	<p>Process Safety Mentoring Panelist:</p> <p>Jeff Wanko <i>OSHA</i></p> <p>Kathy Shell <i>aeSolutions</i></p> <p>Dan Wilczynski <i>Marathon Petroleum</i></p>	<p>Crisis Management in the Minas-Rio Pipeline Incident: The Case Study of the Mining Industry Alan Burdin <i>Anglo American</i></p>
4:15 PM	<p>A Case Study Demonstrating a Successful Plant Leadership Transition That Improved Process Safety Performance Richard N Knowles <i>Richard N. Knowles and Associates, Inc</i></p>	<p>How Emergency Isolation Valves Can Effectively Mitigate the Consequences of Early Pool Fires Henrique Pimenta <i>FM Global</i></p>	<p>Dynamic Safety Barrier Management System: A Practical Approach to Achieve Process Safety Excellence Ahmed Nagib <i>Egyptian LNG</i></p>		<p>Process Safety at Offshore Aerodromes (Helidecks) - New Application for Process Safety Luciana Heil Figueira <i>Petroleo Brasileiro SA</i></p>
4:45 PM	<p>Process Safety Leadership from the Boardroom to the Frontline Kenan Stevick & Scott Berger <i>KPS Inc. & Scott Berger and Associates LLC</i></p>	<p>Technical Analysis of Tents Sited in Accordance with API RP 756 Barry L. Bingham <i>BakerRisk</i></p>	<p>Reducing Process Safety Incidents By Revamping Leading Safety Indicators at Fatima Fertilizers Limited Noman Irshad <i>Fatima Fertilizer Company Limited</i></p>		<p>Show Me Your Numbers and I Will Tell You Who (and how safe) You Are "Diga-Me Seus Numeros e Eu Lhe Direi Se Voce Esta Realmente Seguro" Monica Hochleitner <i>SIS SILverstone</i></p>

Wednesday, April 1, 2020					
	35 th Center for Chemical Process Safety International Conference (CCPS)	54 th Annual Loss Prevention Symposium (LPS)	22 nd Process Plant Safety Symposium (PPSS)	9 th Process Safety Management Mentoring (PSMM)	Perspectives on Process Safety from Around the Globe
	<p><i>Session #143: Abnormal Modes of Operation - When the Risk Is the Highest</i> GRB Conv. Ctr. 360 Co-Chairs: Eddie Dalton, John Wincek</p>	<p><i>Session #150: Fires, Explosions, and Chemical Reactivity I</i> GRB Conv. Ctr. 370 Co-Chairs: Qingsheng Wang, Katie Mulligan, Amy Gray</p>	<p><i>Session #153: People as Safeguards</i> GRB Conv. Ctr. 361 Co-Chairs: Brooke Beveridge, Neha Rajan</p>	<p><i>Session #147: CCPS Tutorials in Process Safety II: The Tenets of Vision 20/20 – Are You Seeing Clearly?</i> GRB Conv. Ctr. 371 ABD&E Co-Chairs: Don Connolley, Matthew Walters</p>	<p><i>Session #152: Japan's Process Safety Progress</i> GRB Conv. Ctr. 371C&F Co-Chairs: Masaki Nakagawa, Tomoyuki Ohtani</p>
8:00 AM	<p>Safety-II: Resilience in the Face of Abnormal Operation Steve Cutchen Retired: US Chemical Safety Board</p>	<p>Hydrogen Compressor - Simulating Leaks & Explosion Impacts Seshu Dharmavaram Corteva</p>	<p>When are Human IPLs Valid, and How are their PFDs Assured in Practice Wayne Chastain & William Bridges Eastman Chemical Company & PII</p>	<p>Disciplined Adherence to Standards David Greganti The Dow Chemical Company</p>	<p>Learn from Experience Shintaro Tayama COSMO OIL CO.,LTD.</p>
8:30 AM	<p>Understanding and Managing the Risk during Transient Operations Bruce K. Vaughen CCPS</p>	<p>Liquid Jet Fire: Experiment, CFD Simulation, and Empirical Model Jin Zhao BakerRisk</p>	<p>Engaging Operators as Safeguards for the Destruction of Chemical Agent Munitions Terry Tincher Centers for Disease Control and Prevention</p>	<p>Can We Really Learn from the Experience of Others? How Shared Learnings Can Become Actual Change Peter Lodal D&H Process Safety</p>	<p>Study for Thermal Hazard Evaluation of Polymerizing Substance at Storage Tank Satoshi Matsue Mitsubishi Chemical Corporation</p>
9:00 AM	<p>CCPS Abnormal Modes of Operation: a Risk-Based Focus William Bridges PII Inc.</p>	<p>NFPA 30 (2020): Practical Viewpoints to Ensure Code Compliance Michael Snyder Dekra</p>	<p>Operational Discipline is not Follow the Procedure Steve Cutchen Retired: US Chemical Safety Board</p>	<p>Intentional Competency Development – What can YOU do? Wayne Chastain Eastman Chemical</p>	<p>Learning from procedure based HAZOP – Reinforce Process Safety Competency Masaki Iguchi JXTG Nippon Oil & Energy Corporation</p>
9:30 AM	<p>Coffee and Networking Break GRB Conv. Ctr. Exhibit Hall E</p>				

	<p>Session #165: Beyond Compliance in Both Covered and Non-Covered Facilities GRB Conv. Ctr. 360 Co-Chairs: Sean J. Dee, Steve Hawkins</p>	<p>Session #168: Fires, Explosions, and Chemical Reactivity II GRB Conv. Ctr. 370 Co-Chairs: Qingsheng Wang, Katie Mulligan, Amy Gray</p>	<p>Session #169: Forum - Yoda on Process Safety: “<i>In a dark place we find ourselves, and a little more knowledge lights our way.</i>” GRB Conv. Ctr. 361 Co-Chairs: Josh Moyers, Katherine Prem</p>	<p>Session #176: PPSS tutorials II: Extending Safety Beyond the First Stage GRB Conv. Ctr. 371 ABD&E Co-Chairs: Wayne Garland, Davide Moncalvo</p>	<p>Session #173: Korean Session: Effective Implementation of PSM and Its Utilization GRB Conv. Ctr. 371C&F Co-Chairs: Hyuckmyun Kwon, Il Moon</p>
10:15 AM	<p>Development of a Process Safety-Based, Process Design Ragagep for Midstream Facilities Sam Aigen AcuTech</p>	<p>Determination of SADTs Using Accelerating Rate Calorimeter Daniel Nguyen ioMosaic</p>	<p>Panelist:</p> <p>Michelle Brown FMC</p> <p>Greg Kühne, BASF</p> <p>Jim Muoio Celanese</p> <p>Louisa Nara CCPS</p>	<p>ALARP Demonstration: The How to Guide Graham Bower-White TSRHorizons Consulting</p>	<p>Improvement of PSM Implementation by Applying High Performance Methodology Chunglae Kim SK Materials</p>
10:45 AM	<p>And Now for Something Completely Different - Part 2 Michael P. Broadribb BakerRisk</p>	<p>Using Process Safety Principles to Mitigate the Hazards of Battery Energy Storage Systems May Yen Exponent, Inc.</p>		<p>Don't Put Your Report on a Shelf! How Can I Use the Report? Rene Murata Risk Integrity Safety Knowledge, Inc.</p>	<p>Global Company's challenge of PSM and Process Safety in Korea - Local Regulation Environment: Lesson Learn for Asia PSM Regulation Yun-Ho Lee Air Products</p>
11:15 AM	<p>Process Safety in the Upstream Industry Robin Pitblado DNV GL</p>	<p>Thermal Stability Studies Using Machine Learning Harold U. Escobar-Hernandez Texas A&M</p>		<p>No Resources for Process Safety; The Dog Ate My Homework James Martin Corteva</p>	<p>Aging Equipment Risk Assessment in Korean Chemical Industry Changmo Jeong Safety Culture Institute</p>
11:45 AM	<p>Luncheon with Speaker: Thomas Munoz, Emergency Manager and Homeland Security Director, City of Texas City “When Disasters Happen: A Collaborative Approach Towards the Community's Recovery Process” Hilton Americas, Ballroom of Americas B-F</p>				

	<p>Session #186: Case Histories and Lessons Learned – GCPS Joint Session Hilton Americas, Ballroom of Americas B-F Co-Chairs: Jim Klein, Laura Ankrom, Mike Moosemiller</p>
1:30 PM	Presentation of the William H. Doyle Award for LPS Best Paper Award, PPSS Best Paper Award, and CCPS Best Paper Award
1:45 PM	Distillation Column Explosion Brenton Cox, Russell Ogle & David Hietala, Exponent, Inc.
2:15 PM	Three Cases: Process Safety Fatalities and a Better Way to Communicate Findings to Employees TJ Larkin, Larkin Communication
2:45 PM	Insights to the Columbia Gas Explosions Lawrence and North Andover, MA Sept. 13, 2018 Ronald Willey, Northeastern University
3:15 PM	Break
3:30 PM	How Stressed Is Your Facility? Past Events Resulting from Structural Stress Trish Kerin, IChemE Safety Centre
4:00 PM	The Phillips Petroleum Explosion 30 Years Later: Remembering the Lessons from This Incident Today Bruce Vaughn & Kenneth Bloch, CCPS
4:30 PM	Have We Learned Our Lessons: Revisiting the 2004 Skikda Explosion 16 Years Later Scott Davis, GexCon US
5:00 PM	GCPS Concluding Remarks