

.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

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

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-ALARP 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				

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

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

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

	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	Session #106: Facility Siting, Consequence Analysis, and Risk Assessment I GRB Conv. Ctr. 370 Co-Chairs: Sam Rodgers, Amy Theis	Session #113: Leading Indicators to Prevent Process Safety Incidents I GRB Conv. Ctr. 361 Co-Chairs: Rainer Hoff, Jim Martin	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	Session #116: Process Safety Activities in China II GRB Conv. Ctr. 371C&F Co-Chairs: Dongfeng Zhao, Yifei Meng
1:30 PM	Senior Leader Perspective on Managing BHP's Most Material Risk Derek Cardno <i>BHP</i>	The Impacts of Ignition Source Assumptions on Quantitative Risk Assessments Stewart Price <i>DNV</i>	Process Safety Index - an Objective, consistent Method for Evaluating the Balance between Hazards and controls David Hatch <i>Process Safety Integrity</i>	Near Miss Incident Case Study – Loss of Reactor Cooling Wayne Garland <i>Eastman Chemical Company</i>	The Practice of HSE Management System in Petroleum Company Yun Niu <i>China University of Petroleum</i>
2:00 PM	High Reliability Organizations - Application of US Nuclear Navy Extreme Operational Excellence Principles in the Oil and Gas Industry Bryan Lethcoe, High Reliability Group LLC	Human Reliability Analysis for Oil and Gas Operations: Analysis of Existing Methods Marilia Ramos & Camile Major <i>UCLA/Chevron</i>	Leading Metrics for Process Safety Susan Frizzell <i>Adley Services, LLC</i>	Lessons Learned from Scenarios Found during PHA of Startup, Shutdown, and Online Maintenance Revonda Tew <i>Process Improvement Institute, Inc.</i>	Discussion on Implementation of the Inherently Safer Strategies in China Chemical Industry Huanyun Fang <i>China Chemical Safety Association</i>
2:30 PM	My Lessons for Process Safety Leadership Trish Kerin <i>IChemE</i>	Leveraging CFD to Effectively Evaluate Sensitivity to Ignition Location When Designing for Explosion Loads Drew Botwinick <i>GexCon</i>	The Journey Towards Zero Alarms - an Integrated Approach to Process Alarm Elimination Satrujeet Dey <i>Honeywell Connected Plant</i>	The Evolution of Emergency & Crisis Management in Petronas Saira Hanim Shamsi <i>Petronas</i>	A Revolutionary IIoT approach to real time monitoring for Process Safety in China Michael D. Scott <i>aeSolutions</i>
3:00 PM	Coffee and Networking Break GRB Conv. Ctr. Exhibit Hall E				

	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	Session #129: Facility Siting, Consequence Analysis, and Risk Assessment II GRB Conv. Ctr. 370 Co-Chairs: Sam Rodgers, Amy Theis	Session #134: Leading Indicators to Prevent Process Safety Incidents – Session II GRB Conv. Ctr. 361 Co-Chairs: Vic Edwards, Jeff Stawicki	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	Session #136: Portuguese Session: Gestão da Segurança de Processos baseada em Risco GRB Conv. Ctr. 371C&F Co-Chairs: Luana Santos, Andres F. Valencia
3:45 PM	Safety Culture Leadership Journey: 1980-2030, from the Culture of Denial to Operational Discipline Martin Enrique Fernández Whycomm	Pressure Relief Location - a Hidden Hazard William Giang PSRG	Top Key Performance Indicators Measurable through Safety Instrumented Systems Caleb Mellbom Schneider Electric	Process Safety Mentoring Panelist: Jeff Wanko OSHA Kathy Shell aeSolutions Dan Wilczynski Marathon Petroleum Daniel Crowl Michigan Tech	Crisis Management in the Minas-Rio Pipeline Incident: The Case Study of the Mining Industry Alan Burdin Anglo American
4:15 PM	A Case Study Demonstrating a Successful Plant Leadership Transition That Improved Process Safety Performance Richard N Knowles Richard N. Knowles and Associates, Inc	How Emergency Isolation Valves Can Effectively Mitigate the Consequences of Early Pool Fires Henrique Pimenta FM Global	Dynamic Safety Barrier Management System: A Practical Approach to Achieve Process Safety Excellence Ahmed Nagib Egyptian LNG		Process Safety at Offshore Aerodromes (Helidecks) - New Application for Process Safety Luciana Heil Figueira Petroleo Brasileiro SA
4:45 PM	Process Safety Leadership from the Boardroom to the Frontline Kenan Stevick & Scott Berger KPS Inc. & Scott Berger and Associates LLC	Technical Analysis of Tents Sited in Accordance with API RP 756 Barry L. Bingham BakerRisk	Reducing Process Safety Incidents By Revamping Leading Safety Indicators at Fatima Fertilizers Limited Noman Irshad Fatima Fertilizer Company Limited		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 SIS SILverstone

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

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

	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
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 Vaughen & 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