	SUNDAY, APRIL 10
9:00 AM – 5:00 PM	GCPS Short Courses
6:00 PM – 7:30 PM	2016 AIChE Spring Meeting and 12th GCPS Opening Reception Location: GRB Conv. Ctr. Exhibit Hall E
	MONDAY, APRIL 11
7:00 AM	Complimentary Breakfast Location: GRB Conv. Ctr. General Assembly Theater Foyer
8:00 AM	2016 AIChE Spring Meeting and 12 th GCPS Opening Plenary Session: June C. Wispelwey , AIChE Executive Director and Gregory Stephanopoulos , AIChE President Location: GRB Conv. Ctr. General Assembly Theater C
8:30 AM	AGILE Award Keynote Address: "Transforming a Business for Success" Presented by Andreas C. Kramvis Location: GRB Conv. Ctr. General Assembly Theater C
9:15 AM	Coffee Break Location: GRB Conv. Ctr. Exhibit Hall E
9:40 AM	12 th GCPS Welcoming Plenary Session Location: GRB Conv. Ctr. General Assembly Theater C 12th GCPS Introduction and Welcome: Shakeel Kadri (Executive Director, CCPS) and Ronald J. Willey (GCPS Chair) Symposia Introductions: Fred Henselwood (CCPS Chair), Kendall Werts (LPS Chair), Kathy Shell (PPSS Chair), Trey Morrison (PSM² Chair), Eric Peterson (Spotlight Track Chair), and Marcela Recaman (Regional Perspectives Chair) Presentation of William H. Doyle Award for LPS Best Paper Award, PPSS Best Paper Award, and CCPS International Conference Award

			MONDAY, APRIL 11				
	31st Center for Chemical Process Safety International Conference (CCPS)	50 th Annual Loss Prevention Symposium (LPS)	18 th Process Plant Safety Symposium (PPSS)	5 th Process Safety Management Mentoring (PSM ²) Forum	Process Safety Spotlights	Perspectives on Process Safety from Around the Globe	
	Committed Culture - Creating Felt Leadership	LPS 50 th Anniversary – Invited Speaker Session	To Boldly Go Beyond LOPA and HAZOP I	Guidelines for Effective PSM Implementation	Human Factors in Chemical Process Safety I	Japan's Process Safety Progress	
	Location: GRB Conv. Ctr. 360	Location: GRB Conv. Ctr. 370	Location: GRB Conv. Ctr. 361	Location: GRB Conv. Ctr. 371 A, B, D & E	Location: GRB Conv. Ctr. 362 A, B, D & E	Location: GRB Conv. Ctr. 372 A & D	
	Co-Chairs: James Klein Sunil D. Lakhiani	Co-Chairs: Henry L. Febo	Co-Chairs: John W. Champion Kimberly Mullins	Co-Chairs: Michael Morris Ravi Ramasamy	Co-Chairs: David Weimer Dave Hollaway	Co-Chairs: Masaki Nakagawa Neil Concibido	
10:30 AM	"Why All This Talk about Failure? What Happens If We Succeed?" Peter N. Lodal & Jennifer Mize	A Lesson Learned by Attending Thirty-Seven Years of Loss Prevention Symposia Thomas H. Pratt	Beyond HAZOP and LOPA – Four Different Company Approaches Karen Study, J. Wayne. Chastain, Chris Devlin & Thomas Mueller	Necessity of Performing Hazard Evaluations (PHAs) of Non-normal Modes of Operation (Startup, Shutdown, & Online Maintenance) William Bridges	A Rank Order Methodology for Assessing HFE Construction Audit Non- Conformances Kurt Clowers	Overview of the High Pressure Gas Safety Act in Japan Kazuhiro Hatayama	
11:00 AM	Moments of Safety Transformation - Developing Strong Safety Leaders Greg Robinson	Surviving the Black Swan - Strategies for Process Safety Specialists and Companies to Survive Unpredicted Catastrophic Events John F. Murphy		How Reliable Are Your Major Accident Hazard Barriers? Mike Neill	Advanced Procedures: Leveraging a Human Factors Approach for Improving Process Safety Performance Pranav Kannan	Process Safety Education Program in Mitsubishi Chemical Group Masaki Nakagawa	
11:30 AM	Making Process Safety Personal - Engaging the Front Line Laurence Pearlman & Susie Scott	A Career in Process Safety: 50 Years of LPS Arthur M. Dowell III		Integrating PSM into a Company's Management System Ignacio Alonso	Human Factors Considerations in 3D Model Reviews Sunil D. Lakhiani	Development and Harmonization of Safety Education Program for Future Generation in Process Safety Atsuko Fumoto	
12:00 PM	Luncheon with S	Luncheon with Speaker: Allan J. McDonald, Aerospace Consultant and Author of Truth, Lies, and O-rings: Inside the Space Shuttle Challenger Disaster "Ethics Lessons Learned from the Space Shuttle Challenger Disaster" Location: Hilton, Second Floor, Ballroom of the Americas C. B. E & F					

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	31st Center for Chemical Process Safety International Conference (CCPS)	50 th Annual Loss Prevention Symposium (LPS)	18 th Process Plant Safety Symposium (PPSS)	5 th Process Safety Management Mentoring (PSM ²) Forum	Process Safety Spotlights	Perspectives on Process Safety from Around the Globe
	Committed Culture - Obtaining Operational Discipline	Fires	To Boldly Go Beyond LOPA and HAZOP II	Tutorials in Process Safety - CCPS	Human Factors in Chemical Process Safety II	Spanish Session – Implementando Seguridad de Proceso I
	Location: GRB Conv. Ctr. 360	Location: GRB Conv. Ctr. 370	Location: GRB Conv. Ctr. 361	Location: GRB Conv. Ctr. 371 A, B, D & E	Location: GRB Conv. Ctr. 362 A, B, D & E	Location: GRB Conv. Ctr. 372 A & D
	Co-Chairs: Andrew Goddard Timothy Murphy	Co-Chairs: Jatin Shah Seshu Dharmavaram	Co-Chairs: John W. Champion Kimberly Mullins	Co-Chairs: Elliot Wolf Sarah Eck	Co-Chairs: Irfan Shaikh, John Jacob	Co-Chairs: Gustavo Correa
1:30 PM	The Safety Leadership Paradox Charles Cowley	Revisions to FM Global Property Loss Prevention Data Sheet 7-14, Fire Protection for Chemical Plants Henry L. Febo	High/Continuous – Demand Hazardous Scenarios in LOPA William Mostia Jr.	Reflecting on the Past: Envisioning the Future: A Vision 2020 Primer Jack McCavit and Cheryl Grounds	How to Design Human Factors into a PSM System to Ensure Effectiveness and Deliver Risk Reduction Performance David Jones	Design of Strategic Administration System for the Management of Process Safety Recommendations of Reinsurance Broker, Based on the Standards ISO 31000:2009 and PDVSA SI-S-06:2009, for Petroquímica de Venezuela S.A Juan Duarte Sr.
2:00 PM	How Committed to Process Safety Is Committed Enough? - Doing Process Safety Cultural Communication As the Inevitable Ethical Dimension for Vision 20/20 Long Zhang	New Model for Predicting Thermal Radiation from Flares and High-Pressure Jet Fires for Hydrogen and Syngas Derek Miller	Advanced Analysis to Supplement HAZOP/LOPA for Effective Process Design William R. Banick	Addressing Human Factors in Process Safety – Corporate and Plant Practices Chason J. Coelho	Culture, Competence and Compliance Radix Andrews	Todo Lo Que Ud. Siempre Quiso Saber Sobre Sistemas Instrumentados De Seguridad, Pero No Tuvo La Oportunidad De Preguntar Luis Garcia
2:30 PM	The Use of Familiar Tool to Diffuse the Feeling of Unease Relating to the Possible Non-Dependability of Barriers of Protection Alfonsius Ariawan	CFD Modeling of Jet Fires of Different Configurations Jin Zhao	Identify SIF and Specify Necessary SIL, and Other IPLs, as Part of PHA/HAZOP, or Why It Is Not Necessary to "Boldly Go Beyond HAZOP and LOPA" Art Dowell & William Bridges	Developing Power, Influence and Leadership for Successful Process Safety Culture Keith Hunter	Human Factors and Their Impact on Plant Safety Luis Manuel Duran & Hampus Schäring	Implementación De Ventanas Operativas (IOW) En Refinería Latina Martin Rebollo & José Rizzo
3:00 PM			Coffee and Net	tworking Break v. Ctr. Exhibit Hall E		

			MONDAY, APRIL 11			
	Committed Culture - Maintaining a Sense of Vulnerability	Explosions	Case Studies in the Use of LOPA and Bowtie/Barrier Methodologies	The Day PSM Hit Home - Veteran's Perspective	LNG, LPG, and NGL Safety	Spanish Session – Implementando Seguridad de Proceso II
	Location: GRB Conv. Ctr. 360	Location: GRB Conv. Ctr. 370	Location: GRB Conv. Ctr. 361	Location: GRB Conv. Ctr. 371 A, B, D & E	Location: GRB Conv. Ctr. 362 A, B, D & E	Location: GRB Conv. Ctr. 372 A & D
	Co-Chairs: Donald J. Connolley Eric Freiburger	Co-Chairs: Jatin Shah Seshu Dharmavaram	Co-Chairs: Philip M. Myers Humbert J. Howard III	Co-Chairs: Brian Dickson Ray Qi	Co-Chairs: Chad Mashuga Katherine Pearson Harri Kytomaa	Co-Chairs: Felipe Carvalho
3:30 PM	It Happened Here: First- Hand Accounts of Significant Events Dawn Wurst	Why Detonation Is the Only Way to Explain Some Vapour Cloud Explosions Vincent Tam	One Company's Observations on the Implementation of LOPA Anne Bertelsmann	40 Years of Worst Practices – Don't Do This! Glenn Young	Multiphase Flow Modeling of LNG Using Smoothed Particle Hydrodynamic (SPH) Techniques Anh Bui	Reforzamiento De Componentes No- Estructurales En Edificios Sometidos a Explosiones David Holgado
4:00 PM	Investigation Findings and Lessons Learned in the West Fertilizer Explosion Scott Davis	Ammonia Vapor Cloud Explosion Testing and Implications for Facility Siting Studies, Consequence Analyses, and Risk Assessments Darren Malik	Don't Be Afraid of Conditional Modifiers J. Wayne Chastain	Process Safety - You're never too old to learn! Greg Oliver	LNG Facility Siting Regulations - Home (USA) and Away (International) Chaitanya Gottimukkala	Filosofía De Seguridad De Procesos En BASF <i>Ricardo Leno Vivas</i>
4:30 PM	Shelter-in-Place Design Considerations – How Safe is Safe Enough? Anthony Sarrack	Catastrophic Domino Effect from Projection of Fragments Associated with Spherical Vessel Explosions Alejandro Castellano, Nicolás Villalba & Fabio Ocampo	Layer of Protection Analysis as a Multi- Functional Team Problem Solving Tool Edward Cialkowski	Sustainable Productivity & Zero Harm in Practice Rao Akula	Flare Reduction Strategies for LNG Plant Design <i>Meghana Cherukuri</i>	La Educacion EN Seguridad De Procesos Karina Isabel Peñaflor
5:00 PM	GCPS Electronic and Paper Poster Session and Cocktail Reception Co-Chairs: San Burnett, Chaitanya Gottimukkala, Kumar (Chris) Israni, & Jianxin Lu Location: GRB Conv. Ctr. Exhibit Hall E					

			TUESDAY, APRIL 12			
	31st Center for Chemical Process Safety International Conference (CCPS)	50 th Annual Loss Prevention Symposium (LPS)	18 th Process Plant Safety Symposium (PPSS)	5 th Process Safety Management Mentoring (PSM ²) Forum	Process Safety Spotlights	Perspectives on Process Safety from Around the Globe
	Vibrant Management Systems and Intentional Competency Development	Facility Siting, Consequence Analysis, and Risk Assessment I	Operating Discipline – Greatest Impact on Process Safety Performance?	Tutorials in Process Safety – PPSS I	Risk Based Approaches to Relief Design	Process Safety Activities in China
	Location: GRB Conv. Ctr. 360	Location: GRB Conv. Ctr. 370	Location: GRB Conv. Ctr. 361	Location: GRB Conv. Ctr. 371 A, B, D & E	Location: GRB Conv. Ctr. 362 A, B, D & E	Location: GRB Conv. Ctr. 372 A & D
	Co-Chairs: Jerry J. Forest Ryan J. Hart	Co-Chairs: Kathleen A. Kas Peter N. Lodal Morgan Reed	Co-Chairs: Colin S. 'Chip' Howat Brooke Beveridge	Co-Chairs: John Champion Faraz Khan	Co-Chairs: J. Wayne Chastain Freeman Self	Co-Chairs: Dongfeng Zhao Yi Liu
8:00 AM	Process Safety: The Culture of Management System Design, Implementation, and Sustainability Michael Marshall	Siting Bulk Hydrogen Storage Systems: Advances in Risk- Informed Siting Procedures in NFPA Codes Carl Rivkin	Creating a Culture of Operational Discipline within a Management of Change Process Stacey E. Griffith	Getting the Most from Your PHA – Lessons Learned from A Seasoned Facilitator Kathy Pearson	Cost and Benefit Considerations of Designing for Higher Pressure Juan Lopez	Using Social Network Theory to Analyze the Effectiveness of Environment, Safety and Health Management for Two Petro-Chemical Companies Jao-Jia Horng
8:30 AM	Bridging Process and Occupational Safety Cultures for the Process Safety Professionals Sunil D. Lakhiani	Is a Two-Inch Hole Adequate for a Siting Study? Jeffrey D. Marx	Managing Alarms to Support Operational Discipline Denise Chastain-Knight	LOPA Boot Camp – Basic Training with Practical Examples J. Wayne Chastain	Practical Risk Based Approach to Pressure Relief and Effluent Handling System Design Casey Houston	Evolution of Domino Effect Modeled by Bayesian Network in Land Use Planning Haoyi Wang, Dongfeng Zhao, Yifei Meng
9:00 AM	Dynamic Barrier Management - Addressing the Reality <i>Robin Pitblado</i>	Retrofit of Non-Structural Components on Buildings Subjected to Blast Loading David Holgado	Achieving Operational Excellence through a Sustainable Approach within Process Safety Kumar (Chris) Israni & Steve Hawkins	Hazards Inherent to Control Systems: Case Studies and Lessons Learned Brenton L. Cox	Overpressure Protection by System Design - Use of High Integrity Pressure Protection Systems Tariq Alauddin & Adam Robert Dean	Advantages and Disadvantages after Integrating PSM with EHS Management Zhijie Xu, Su Hu
9:30 AM	Coffee and Networking Break Location: GRB Conv. Ctr. Exhibit Hall E					

			TUESDAY, APRIL 12			
	Disciplined Adherence to Standards	Facility Siting, Consequence Analysis, and Risk Assessment II	Practical Methods to Identify, Prepare for and Manage Abnormal Events	Careers in PSM Panel	Considerations on Overpressure relief Scenarios	Spotlights Track -OSHA Regulations and Standards
	Location: GRB Conv. Ctr. 360	Location: GRB Conv. Ctr. 370	Location: GRB Conv. Ctr. 361	Location: GRB Conv. Ctr. 371 A, B, D & E	Location: GRB Conv. Ctr. 362 A, B, D & E	Location: GRB Conv. Ctr. 372 A & D
	Co-Chairs: John Wincek Lizbeth Cisneros	Co-Chairs: Kathleen A. Kas Peter N. Lodal Morgan Reed	Co-Chairs: Victor Edwards Katherine Prem	Co-Chairs: Scott A. Haney Nicholas N. Cristea	Co-Chairs: Davide Moncalvo Charles Kozlowski	Co-Chairs: Brian Kolodji Jianxin Lu
10:15 AM	Retrofit Process for New and Revised Process Safety Standards at Air Products Brian E. Farrell	Transportation Risk Management - One Company's Approach Elizabeth Lutostansky	Human Reliability and Process Safety Metrics: Considerations from an Abnormal Situation Management Perspective Peter Bullemer		RAGAGEP Considerations for Relief and Flare Systems George Melhem	Update on OSHA PSM Ragagep Guidance <i>James Lay</i>
10:45 AM	Used, Classic, or Antique: Solving the Enigma of Disciplined Adherence to Standards for Existing Equipment Jack McCavit	The Environmental Equivalent of a Fatality: Had the UK's Environmental Risk Assessment Methodology Been Applied to Freedom Industries in West Virginia, It Would Have Concluded the Site Was Intolerable before 350,000 People Were Exposed and Lost Their Drinking Water Mark Manton	Security and Risk Mitigation: Practical and Cost-Effective Solutions by the U.S. Nuclear Industry Gary Hayner Jr.	Panelists Include: Qingsheng Wang, Oklahoma State University Peter N. Lodal, Eastman Chemical Company Tim Mullowney, Phillips 66 Kevin Shaughnessy, Dow Chemical Company Lisa Long, U.S. Department of Labor - OSHA	Considering External Fire to be a Non-Applicable Overpressure Scenario Jessye Palladino	PSM/RMP Modernization Programs in California – New Developments and Correlation to Evolution at the Federal Level Steven T. Maher
11:15 AM	Importance of Accurate, Consistent Implementation of Pressure Relief and Disposal System Standards and Guidelines Nancy Faulk	The Eye-Opener: Communicating Facility Siting Findings to Upper Management Michael D. James	Compressor System Performance at Abnormal/Non-Design Conditions Dylan Grosscup		Quantification of Double Contingencies in Overpressure Design Philosophy by Fault Tree Analysis Anthony Lie	PSM: Keeping Abreast of Legal Developments in Order to Stay Compliant D.A. Duggar
11:45 AM		Luncheon with Speaker: Gord Winkel, Chair and Industrial Professor of the Engineering Safety and Risk Management Program, University of Alberta "Making Safety Real – Taking Risk Management to the Next Level" Location: Hilton Americas, Second Floor, Ballroom of the Americas C, B, E & F				

TUESDAY, APRIL 12							
	31st Center for Chemical Process Safety International Conference (CCPS)	50 th Annual Loss Prevention Symposium (LPS)	18 th Process Plant Safety Symposium (PPSS)	5 th Process Safety Management Mentoring (PSM ²)	Process Safety Spotlights	50 th Annual Loss Prevention Symposium (LPS)	
	Enhanced Application of Lessons Learned	Facility Siting, Consequence Analysis, and Risk Assessment 3	Process Safety Management Systems – Risk Based	Tutorials in Process Safety – LPS 1	Refinery Safety 1	Combustible Dusts 1	
	Location: GRB Conv. Ctr. 360	Location: GRB Conv. Ctr. 370	Location: GRB Conv. Ctr. 361	Location: GRB Conv. Ctr. 371 A, B, D & E	Location: GRB Conv. Ctr. 362 A, B, D & E	Location: GRB Conv. Ctr. 372 A & D	
	Co-Chairs: Ryan J. Hart Jerry J. Forest	Co-Chairs: Kathleen A. Kas Peter N. Lodal Morgan Reed	Co-Chairs: Jack Chosnek Elizabeth Schlee	Co-Chairs: Lisa Long Qingsheng Wang	Co-Chairs: Michael Moosemiller Christopher S. Buehler	Co-Chairs: Walter L. Frank Dave C. Kirby	
1:30 PM	LOPA – When the Solution Becomes the Problem! David Jones & Jean Bruney	Evaluating the Effect of Obstruction Separation Distance on Flammable Gas Dispersion Using FDS Haavard Boehmer	Risk Criteria Selection and the Impacts on the LOPA Process <i>Aaron Huberman</i>	Adequate Pressure Relief Shailesh H. Saraykar	Feasibility Study for Hydrogen Sulfide (H ₂ S) Optical Gas Imaging Yousheng Zeng	Combustible Dust Hazard Assessment: A Risk Based Approach Albert Ness	
2:00 PM	Improving Learning through Interactive Case Studies Trish Kerin	Transient Large-Scale Chlorine Releases in the Jack Rabbit II Field Tests: Near Source Release Data and Preliminary Analysis Thomas O. Spicer III	A Call to Action: Understanding the Key Driver for Continual Process Safety Performance Improvement David Jones	Vapor Cloud Explosions <i>Kelley Thomas</i>	Design Considerations for Oily Water Lift Stations at Refineries William Celenza	Who's Afraid of Combustible Dust? – An Update on Electrical Area Classification Samuel A. Rodgers	
2:30 PM	CSB Recommendations: Gems, Gewgaws, and Buried Treasure Scott Berger	Modelling and Validation of Dispersion Following an Instantaneous Vapor or Two-Phase Release from a Pressurized Vessel Henk W. M. Witlox	Risk Based Process Safety Program in R & D Facility Monica Prasad	Prevention of Combustible Dust Explosions Steven D. Emerson	Critical Considerations in the Pressure Relief Analysis of Refinery Sour Water Systems Jim Bridgett	NFPA Combustible Dust Standards – 2016 Update Susan Bershad	
3:00 PM	Coffee and Networking Break Location: GRB Conv. Ctr. Exhibit Hall E						

			TUESDAY, APRIL 12			
	Societal Themes	Chemical Reactivity	Case Studies on Organizational Management of Change	The Day PSM Hit Home - Young Engineer's Perspective	Refinery Safety II	Combustible Dusts II
	Location: GRB Conv. Ctr. 360	Location: GRB Conv. Ctr. 370	Location: GRB Conv. Ctr. 361	Location: GRB Conv. Ctr. 371 A, B, D & E	Location: GRB Conv. Ctr. 362 A, B, D & E	Location: GRB Conv. Ctr. 372 A & D
	Co-Chairs: Bernard Groce Martin Timm	Co-Chairs: Jatin Shah Seshu Dharmavaram	Co-Chairs: Karen Study Jeff Stawicki	Co-Chairs: Brenton L. Cox Kaitlin Keller	Co-Chairs: Michael Moosemiller Christopher S. Buehler	Co-Chairs: Walter L. Frank Dave C. Kirby
3:30 PM	Risk: More Than Just Numbers Cynthia Spitzenberger	The Application of a High Temperature Chemical Equilibrium Program for Assessing Combustion and Other Chemical Reactivity Hazards Eric Winter	Restructuring of Process Safety at Air Products Brian E. Farrell	React Now to Reactive Hazards: Early Identification is Crucial for Your Safety Concept Sarah Decker	Practical Application of Advancing Process Safety Tools for the Petroleum Refining and Petrochemical Industries Rodney Reibold	Flameless Vent Testing **Bill Stevenson**
4:00 PM	Assessing Meticulous Verification Effectiveness Utilizing HAZOP and LOPA John T. Perez	Guidelines for Chemical Reactivity Evaluation and Application to Process Design after Twenty Years Marabeth Holsinger	Becoming "Wiser" in Management of Change Sean J. Dee	An Early Lesson and a Late Night: How I Learned the Real Design Expert is the User Amanda Scalza	Forge Bonding: A Safer Metal Joining Process Mathew Rybicki & Daniel Rybicki	Using a Burning Rate Model for Deflagration Vent Sizing Michelle Murphy
4:30 PM	Disciplined Adherence to Standards & Meticulous Verification – The Checks and Balances of Process Safety Anne O'Neal	Inherently Safety Quenching of HCN Polymerization with Phosphoric Acid . David Herrick	Successfully Managing a Changing Workforce – Application to Process Safety Management Charles A. Soczek	Personal Growth and Mission Born from Tragedy Matthew McGinnis	Safety Practice for Refinery and Petrochmical Plants Durinng the Major T&I (Turnaround & Inspection) Ayman Natto Sr.	Dust Explosions –The Nature of the Problem and Practical Measures for Its Control – Including the Requirements of the New NFPA 652 for Dust Hazard Assessment Vahid Ebadat

			WEDNESDAY, APRIL	13		
	31st Center for Chemical Process Safety International Conference (CCPS)	50 th Annual Loss Prevention Symposium (LPS)	18 th Process Plant Safety Symposium (PPSS)	5 th Process Safety Management Mentoring (PSM ²)	Process Safety Spotlights	18 th Process Plant Safety Symposium (PPSS)
	Journey Towards Vision 2020	Advanced Prevention and Mitigation Techniques	The Evolution of Mechanical Integrity – Lessons Learned and What Lies Ahead	Tutorials in Process Safety – LPS II	Modeling of Relief and Flare Systems	Innovative Ideas, Methodology, and Use for Risk Analysis I
	Location: GRB Conv. Ctr. 360	Location: GRB Conv. Ctr. 370	Location: GRB Conv. Ctr. 361	Location: GRB Conv. Ctr. 371 A, B, D & E	Location: GRB Conv. Ctr. 362 A, B, D & E	Location: GRB Conv. Ctr. 372 A & D
	Co-Chairs: Samantha Scruggs Marisa Pierce	Co-Chairs: Charles A. Soczek Samuel A. Rodgers	Co-Chairs: Steven D. Emerson Sorin Dan	Co-Chairs: Lisa Long Qingsheng Wang	Co-Chairs: Warren Greenfield Casey Houston	Co-Chairs: Sanjeev Saraf Frederick Gregory
8:00 AM		Process Accident Prediction Using Transition-Path Sampling Ian Moskowitz	Do You Feel Lucky? Or Do You Want to Identify and Manage Safety - Critical Equipment? Mike Broadribb	Chemical Incompatibility Robert W. Johnson	In-Breathing Requirement for a Tempered Tank Exposed to Prolonged Sudden Rainfalls David Moncalvo	Conducting a Human Reliability Assessment to Support PHA and LOPA Dave Grattan
8:30 AM	Panelists: Louisa Nara, CCPS Todd Aukerman, LANXESS, David Herrick, Universidad de los Andes Mathy Stanislaus, US EPA Rick Engler, US CSB	Analysis of Overflow Incidents: Searching for Situational Awareness Demons Palaniappan Chidambaram	Using Past Incidents as Leading Indicators for Pipeline Integrity Management Hao Chen	Basic Concepts in Risk Analysis Victor Edwards	Methodology to Determine Relief Load for Trans-Critical Pool Fire Craig Powers	Human Factors Engineering: Applying Prescriptive and Performance Standards Across the Globe Kyle Wingate
9:00 AM		Inherently Safe Design for Vertical Knock-Out Drums and Vapor/Liquid Separators George Maliakkal & David Rodriguez	Best Practices for Performing Data Mining from Unstructured Data for Mechanical Integrity Brent Stanley & Randy Montgomery	Intro to Quantitative Risk Analysis Vinicius Simoes	Dynamic Simulation Modeling to Protect Flare Headers from Air Ingress Jesse Mumm	Quantitative Risk Analysis for Decision Support in Process Plant Operations Stein Haugen
9:30 AM	Coffee and Networking Break Location: GRB Conv. Ctr. Exhibit Hall E					

			WEDNESDAY, APRIL	13		
	Featured CCPS Projects	Asset Integrity, Damage Mechanisms, and Condition Monitoring	Audit Like Your Life and Assets Are on the Line	Tutorials in Process Safety – PPSS II	Executive Order 13650 – Improving Chemical Facility Safety and Security: An Update	Innovative Ideas, Methodology, and Use for Risk Analysis II
	Location: GRB Conv. Ctr. 360	Location: GRB Conv. Ctr. 370	Location: GRB Conv. Ctr. 361	Location: GRB Conv. Ctr. 371 A, B, D & E	Location: GRB Conv. Ctr. 362 A, B, D & E	Location: GRB Conv. Ctr. 372 A & D
	Co-Chairs: John Herber Jonas Duarte	Co-Chairs: Robert W. Johnson John F. Murphy	Co-Chairs: James R. Thompson Mike Broadribb	Co-Chairs: John W. Champion Faraz Khan	Co-Chairs: Lisa Long Peter Lodal	Co-Chairs: Sanjeev Saraf Frederick Gregory
10:15 AM	New CCPS Guidelines Book: Guidelines for Recognizing and Responding to Normalization of Deviation Jennifer Mize	Assessing Potential Damage Mechanisms and Selecting Effective Inspection & Testing Methodology for Fixed Equipment Russ F. Davis	Revitalizing Auditing Practices - One Company's Journey Robert Romano	Effective Operational Discipline Programs James Klein	10:15AM-11:00AM Executive Order 13650 Improving Chemical Safety and Security – National Workgroup Update Kathy Franklin, EPA Rep Keith Nix, DHS Rep Lisa Long, OSHA Rep 11:00AM-11:45AM Executive Order 13650 Improving Chemical Safety and Security – Regional Working Group Update Kay Lawrence, EPA Rep Paul Gilbreath, DHS Rep Howard Cole, OSHA Rep	Depressurization of CO ₂ Rich Mixtures: Challenges for the Safe Process Design of CCS Facilities and CO ₂ EOR Systems Apostolos Giovanoglou
10:45 AM	An Overview of CCPS Publications and Projects – 2015 and Beyond Daniel Sliva & Richard Sarnie	Pressure Relief Valve Inspection, Testing and Maintenance Intervals Charles Kashou	Beyond Compliance Auditing: Drill 'til You Find the Pain Points and Release the Pressure! Laura Ankrom	Best-in-Class MOC Implementation – Case Studies Rainer Hoff		Leveraging PHA to Develop Requirements for Cyber-Security Edward Marszal
11:15 AM	CCPS Certification Process for Process Safety Professional Chris Devlin	Verification of In-Service LP Tank Pressure Ratings Archie Buchman	How Effective Are Your Safety Controls, Alarms, and Interlocks? The Importance of Functional Safety Auditing Monica Hochleitner & Eloise Roche	Facility Integrity: Learning from the Equipment Lifecycle Robert Wasileski III		Pipeline Risk Assessment Using Artificial Intelligence: A Case from the Colombian Oil Network Alexander Guzman Urbina
11:45 AM	Luncheo	Luncheon with Speaker: Mark K. Cox, Senior Vice President, Chief Manufacturing and Engineering Office, Eastman Chemical Company "Process Safety Leadership – It's Personal" Location: Hilton Americas, Second Floor, Ballroom of the Americas C, B, E & F				

	WEDNESDAY, APRIL 13
	Case Histories and Lessons Learned – GCPS Joint Session
	Location: GRB Conv. Ctr. General Assembly Theater C
	Co-Chairs: Derek Miller, Russell Ogle, Mervyn Carneiro
1:30 PM	Case Histories Introduction Vanessa A. Sutherland, CSB Chairperson
1:50 PM	CSB Investigation of the West Fertilizer Explosion and Fire Johnnie A. Banks
2:20 PM	Process Safety Incidents: Big Picture Revelations Paul Baybutt
2:50 PM	Accidents during Turnarounds, Cleanings, and Other Infrequent Operations Michael C. Stern
3:20 PM	Break
3:35 PM	Biomass Industry Explosion Case Study Amy Theis
4:05 PM	Atmospheric Tank Failures: Mechanisms and an Unexpected Case Study Michael S. Schmidt
4:35 PM	Explosions in SMPO Hydrogenation Unit Nick Gonzales
5:05 PM	GCPS Concluding Remarks