9th GCPS Paper Poster Session

Poster Number	Presenter(s)	Presentation title
1	John Wilkins	Comparison of the Peak Relief Rate Estimated by Dynamic Simulators Compared to Traditional Methods for Several Distillation Columns
2	Shah Khajehnajafi	A Hybrid Model for Characterizing the Source of Hazardous Material Release
3	Luis Manuel Duran	A Practical View of Risk Reduction Management of Hardware and Software Design for Safety Critical Applications
4	Najmeh Vaez	Reliability Analysis of Man-Machine Response to an Emergency Situation Based On a Detailed-Action Plan
5	Carlos André Vaz Jr.	Automation Strategies: Avoiding Accidents During the Process of Draining Water Into Spheres LPG
6	Carlos A. Barrera	The Hidden Risks of Deposits, by-Products, and Exhaust and Waste Streams
7	Tianxing Cai	HAZOP Analysis and Debottleneck for Laboratory Operation in the Semiconductor Industry
8	Steven T. Maher	Auditing the Process Hazard Analysis-Key Characteristics to Scrutinize in a Good-Quality HAZOP Study and Supporting Effective HAZOP Study Updates
9	Randy Freeman	Simplified Uncertainty Analysis of LOPA Results

10	Charles A. Soczek	Understanding, Managing, and Communicating High Consequence Risk
11	Wilson Y. M. Torres	Explosion Characteristics of Carbon Nano-Fibers
12	Polcyn Mike	Building Design for Resilience Beyond Design Basis Blast Loads
13	Edel Matthew	Vapor Cloud Explosion Test of Air-Inflated Fabric Structure
14	Jaime E. Cadena	Consequences Calculation Tool for Storage Tank Fire Scenario
15	Jaime E. Cadena	Localization of Control Room Using a MINLP Approach, Based On Accidental Explosion Scenarios
16	Marc W. Yarlott	Using Reliability Centered Maintenance (RCM) to Reduce Fire Risk in High temperature Oil Handling
17	Xiangdi Zhao	Explosion Accident Simulation for Petrochemical Plant
18	Eisenberg Jonathan	Fire Protection and Life Safety Issues in Semiconductor and Related Facilities
19	Dr. Marc Scheid	New Ignition Source “Exploding Wire” for the Determination of Explosion Characteristics of Combustible Dusts in the 20-L-Sphere
20	Paul Osterberg	Ozone Flammability and Its Affect on the Lower Flammable Limit of Simple Hydrocarbons
21	Paul Osterberg	The Impact of Ozone on the Lower Flammable Limit of Hydrogen in Vessels Containing Savannah River Site High Level Waste
22	Charles A. Soczek	Operational Discipline and Beyond: An Interdisciplinary Approach to Improving Process Safety Management Implementation Through Behavior and Cultural Change
23	Bearrow Michael E.	Best Practice Management of Change & PSSR Process

24	German Luna-Mejias Sr.	Process Safety Management - A Practical View
25	Brian D. Rains	Felt Leadership: An Essential Ingredient in Successful PSM Implementations
26	Deborah L Grubbe	Establishing a 3 Credit Course in PSM for Undergraduate Engineers
27	Prerna Jain	Benchmarking – an Important Milestone in the Journey towards PSM Excellence
28	Graeme Ellis	Efficiently Reducing Your Process Safety Risk Profile Using a Targeted 'Basis of Safety Assurance' Methodology
29	Bill Fink	Is Your MOC Process Doing All that It Should Be?
30	Vishal Patel	IT Enablement for Effective Implementation and Monitoring of Process Safety Management
31	David E. Cummings	Key Strategies for Implementing a Corporate Fatigue Risk Management System
32	Carlos André Vaz Jr.	Virtual Reality Applied to Training and Process Safety: A Semi-Industrial Boiler Case Study
33	Jose RodolfoAguilar Otero Sr.	Risk Analysis for Pressure relief devices – Managing Plant Safety and Reliability
34	German Luna	Using ESD Valves As Safeguards, Myth or Reality?
35	Dustin J. Smith	An Engineering Method to Mitigate the Impact of Regulatory Focus on Relief System Installations by Prioritizing Risk
36	Georges Melhem	Estimate Vibration Risk for Relief and Process Piping
37	Dave Sheppard	Complex BMS Made Simple
38	Esteban Bernechea	Frequencies of Accidents As Function of Design Variables
39	Esteban Bernechea	Domino Effect Model Applied to the Hertfordshire Oil Storage Terminal (Buncefield Oil Depot)

40	Nicholas Cristea	Making Relief Load Estimates Match Reality
41	Hannes Kern	Investigations on the Influence of Different Inert Gases on the Laminar Flame Propagation in Lycopodium/Air Mixtures
42	Hannes Kern	Investigations on the Self Heating Potential of Garage Waste as Basis for the Hazard Evaluation of Bulk Storage Facilities
43	Felipe Munoz	Route Optimization for Hazardous Materials Transportation in Bogotá, Colombia
44	Joshua Richardson	The Use of CFD to Evaluate the Interactions Between Multiple-Leak Sources and to Assess Effectiveness of Integral Modeling Techniques in a Multiple-Leak Scenario
45	karthikeyan M.	Informatics Rich Integrated Chemical Safety Risk Assessment (ICSRA) Platform
46	Luis Manuel Duran	Metodologías Para Reducir Las Fallas De Causa Común
47	Peter J. Ralbovsky IV	Beyond DSC, Improved Thermal Hazards Screening Methodology
48	Phillip E. Prueter	Using Explicit Finite Element Analysis to Simulate the Effects of External Chemical Explosions On Single and Double-Walled Storage Tanks
49	Salvador Ávila Filho	Lesha – Multi-Layer Progressive Stress & Impact Assessment On Health & Behavior
50	Szu-Ying Huang	Minimum Ignition Energy Study of Flowing Heat Transfer Fluid Aerosols: Experimental and Theoretical Approach
51	Vingerhoets Jim	Dust Flame Propagation in Industrial Scale Piping - Part 2: CFD Study of a Conveying Vessel-Pipeline System
52	William Bridges	Proven Approach to Investigating Near Misses
53	Swapnil Pathak	Evaluate the Plant-wide Safety of your interlock systems
54	James Marriott	High-Fidelity Combined Dynamic Modeling of Depressurizing Vessels and Flare Networks: Accurately Assess the Effects of Process Changes on Mechanical Integrity and System Capacity