

Poster Number	Abstract Title	Last Name	First Name
<b>GLOBAL CONGRESS ON PROCESS SAFETY POSTERS</b>			
1	Sil Determination of High Integrity Pressure Protection System (HIPPS)	Febby	Frik
2	Identifying and Quantifying MAJOR Hazard for Platforms Deck Raising Using Synchronous Hydraulic Jacking System	Thaliharjanti	Margaretha
3	Process Safety Hazard Management Plan : Help You in Sustaining Production and Preventing Lossess	Thaliharjanti	Margaretha
4	Improving Process Safety Performance for Mature Asset By Implementing of the Process Safety Key Performance Indicator	Thaliharjanti	Margaretha
5	Evaluating The Need For Depressuring Systems - A Methodology	Prophet	Neil
6	Modeling Oil Spill Defense System Using Functional Resonance Analysis Method	Carvalho	Paulo V. R.
7	A Methodology to Determine the Minimum Number of Pha's for Projects	Howard	Humbert Joseph
8	Inherently Safer Design Of Stirred Reactors and Visimix® Modeling Software	Nekhamkin	Yuri
9	Characterization Of Vaporization Rates Of Liquid Nitrogen On Water and Ice	Gopalaswami	Nirupama
10	An Easy and Accurate Design Of Safety Relief Valve Inlet Piping Systems For Gas/Vapor Relief	Zhao	Guibing
11	Experimental Study On The Relationship Between The Charge Amount Of Polypropylene Granules and Electrostatic Discharges While Silo Loading	Choi	Kwangseok
12	Process Safety Management (PSM) In Pilot Plants and Research Laboratories	Moideenkutty	Kabier
13	"People" Means Leadership, NOT Simply Mean People - 4 New Dimensions of Process Safety Competency	Zhang	Long
14	Ammonium Nitrate Condition-Dependent Thermal Decomposition	Han	Zhe
15	Consequences Analysis Associated with the Failure of the Safety Interlock System of Methanator (I-351) of the Ammonia Plant of Fertilizantes Nitrogenados De Venezuela, C.E.C. (FertiNitro)	Garcilazo	Ruben
16	Agglomeration Effect on Combustion and Explosion Properties of Nanoparticles	Zhang	Jiaqi

17	Numerical Simulation of Cryogenic Boiling	Ahammad	Monir
18	Beyond Phi Factor: Qualified Experimental Data for Emergency Relief Sizing	Zhao	Guibing
19	Deflagration Incident Case Review	Theis	Amy
20	Operating Safely through Integrated Process Safety Management	Ariawan	Alfonsius
21	Problems Encountered in the Development of a Process Safety Climate Tool	Bell	Julie
22	Multiple Perspectives on the Role of Safety Leadership in Major Hazard Organisations	Bell	Julie
23	Incident Lessons Learned Portal	Vela	Marco
24	Enhanced Lessons Learned Approach from the Bscat Investigation Approach	Pitblado	Robin
25	Application of Leading and Lagging Indicators to Improve Laboratory Operation Safety	Cai	Tianxing
26	Improving PSM Performance through Workforce Culture Assessment	Green	Carl
27	Challenges and Achievements in Implementing Management of Change System at Binh Son Refinery (BSR), Vietnam	Nguyen Thanh	Bong
28	Death of "Landlord" or Collapse of "Tomb", Which Matters More? - Some Perspectives of Engineering Ethics and Engineering Philosophy on Enterprise Global Risk Management	Zhang	Long
29	Dispersion Modeling of a Cloud Generated By Depressurization of a Flashing Multi-Component Liquid System	Nouailhetas	Laurent
30	Emergency Response Plan: It's Above and Beyond Best Practices	Acton	Sarah
31	Management of Process Safety Performance Indicators	Aldeeb	Abdul
32	Building Siting Evaluation: A New Software Tool for the Determination of Blast Loads from Potential Vapour Cloud Explosions (VCEs)	Shaba	Kehinde
33	New Tools to Aggregate Operational Risk Across an Enterprise of Assets and to Help Govern This Risk through Policy Which Can be Directly Linked to Front Line Decision Making	Neill	Mike
34	Advanced Fire Exposure Testing Methodology	Ralbovsky	Peter J.

35	Graphic Visualization of IPL Status Enables Better Judgement of Inspection, Maintenance and Repair Priorities and Helps Day to Day Assessment of Operational Risk and Work Management Decisions	Neill	Mike
36	Liquid Fuels Release Rate Calculation in Transport Pipelines with Complex Topographical Conditions	Manjarres	Carlos A.
37	An Innovative Work Flow for Performing Overpressure Protection Analysis Incorporating Process Simulation, Pressure Relief Valve Sizing, and Flare System Analysis	Mofor	Wilfried
38	Economical Approach Quantification of Impacts in Major Accidents	Gutierrez	Alexander
39	Application of Consequence Analysis in the Development of Emergency Response Plans for Accidental Events in Liquid Fuels Transport Pipelines	Manjarres	Carlos A.
40	Journey to World Class through Capability Development	Short	Lawrence S.
41	Identification of Fatigue Risk in Mixing Tees Using an Operating History Based Analysis Method	Bifano	Michael F.P.
42	Using Explicit Finite Element Analysis to Simulate the Dynamic Response and Predict the Structural Damage Associated with a Real-Life Process Equipment Failure Due to an Internal Detonation	Prueter	Phillip E.
43	Analysis of the Potential Energy Sources of Risk of Tools in Presence of Hazardous Area in Segment of OIL and Gas	Erthal	Leandro
44	Increase Hazard Discovery and Minimize Errors in Your Process Hazard Analyses, a Graph Theoretical Approach	Qadir	Riffat
45	Control Systems Integrity Review - Selective Application of Controls Systems HAZOP (CHAZOP) Study	Maher, PE CSP	Steven T.
46	The Capability-Demand Gap In US Refining and Petrochemical Console Operations	Dzyacky	George
47	A Creative & Strategic Initiative (Champions Model) In Managing Process Hazard: Process Safety Culture	Rathore	Sharad
48	Resolving Inherently Safer Design Conflicts with Decision Analysis	Ogle	Russell A.
49	Off-Gas Flammability Control for a High Level Nuclear Waste Glass Melter System Based on Process Modeling and Pilot Testing	Choi	Alexander S.
50	Advancing Process Safety - Major Impact "One "Step at a Time"	Lapeyrouse	Keith
51	Defining Dust Hazard Areas	Murphy	Michelle

52	Upper Explosible Limits for Combustible Dusts	Prugh	Richard
53	CFD Modeling for Prediction and Prevention of Runaway Reaction	Méndez	Edna
54	Sensitivity Analysis of Variables Affecting the Runaway Decomposition of Dicumyl Peroxide	Reyes-Valdes	Olga
55	Are We in Control of Our Safety Critical Equipment in Drilling Operations?	Castaneda	Claudio
56	Shock Interaction with Dust Layers for Different Mach Numbers and Dust Layer Depths	Chowdhury	Amira Yousuf
57	The Effect of Non-Uniform Distribution of Obstacles on Deflagration-to-Detonation Transition (DDT)	Rosas	Camilo
58	Homogenous-Gaseous and Particle-Gas-Air Combustion in Turbulent Environment: Analytical Formulation and Experimental Validation	Akerman	V'yacheslav
59	A Functional System Approach to Criticality Analysis, Fsca	Zach	Tacoma
60	Can Black Swans be Red Herrings?	Shaw	Stephen
61	Tracking Instrumentation and Controls Reliability	Pirtle	Shane
62	"Reducing the Frequency and Lowering the Severity of Human Error: Optimize Performance"	Harvey	Tom
63	Matrix Approach to Streamlining HAZOP Studies for Complex, Multi-Mode Systems	Saura	Michael
64	Evolution of High Integrity Protection Systems (HIPS) and Using Risk Analysis Tools to Define Safety Integrity Levels (SIL) for Offshore Facilities	Steinhilber	Mark
65	Assimilating Design Formulation and Design Review into a HAZOP - Lessons Learned and Additional Tips	Weaver	Senem
66	Using HAZOP and LOPA to Define Which Instrumented Functions to Include in Your Safety Instrumented System	Maher, PE CSP	Steven T.
67	Emergency Response Plan: It's Above and Beyond Best Practices	Acton	Sarah
68	Possible Two Physical Hazard Scenarios for Polystyrene Foams, Based on Life Cycle Stages	Nakarai	Toyoaki
69	Building Siting Evaluation: A New Software Tool for the Determination of Blast Loads from Potential Vapour Cloud Explosions (VCEs)	Shaba	Kehinde
70	Measuring Operational Discipline: Is It Possible?	Rains	Brian D.
71	2. Successes in Implementing PHA/HAZOP/LOPA in Major Capital Projects in a Steel Company	Bridges	William

72	Process Risk Assessment and “Safe Area” for a Petro-Chemical Plant in China	Yu	Jing
73	Nanotechnology on Removing Arsenic Using Modified Carbon NANO-Tubes (MCNTs)	Ashiq	Ahmed
74	Modelling of Time-Varying Dispersion from Ground-Level Liquid Pools or Vapour Area Sources	Witlox	Henk W.M.
75	Guidelines for Pressure Relief and Effluent Handling Systems, 2nd Edition	Melhem	Georges
76	Decision Tree to Optimize NFPA 30 Criteria in Fire Protection Systems Applied in Oil and Gas Industry	Barajas	Oscar
77	Best Practices in IPL Integrity Management - Case Study in Kuwait Oil Company	Seethepalli	Chandra
78	Process Safety Culture Applied in Latin America Oil and Gas Industry: Experiences in Ecopetrol Colombia	Barajas	Oscar
79	Quantitative Analysis of Environmental and Societal Risk for Onshore FUEL Pipelines	Gutierrez	Alexander
80	Comparison of Different Methods to Determine the Activation Energy of Flammable Dusts Mixed with Inert and Inhibitory Materials	Wanke	Christoph
81	Risk Based Inspection Applied at Aging Chemical Facilities	Duarte	Jonas
82	Using Explicit Finite Element Analysis to Simulate the Dynamic Response and Predict the Structural Damage Associated with a Real-Life Process Equipment Failure Due to an Internal Detonation	Prueter	Phillip E.
83	Identifying Early Indicators of Incidents through Near-Misses	Grubbe, PE	Deborah L.
84	Chemical Process Safety Management Based on Fuzzy Mathematics	Xu	Ruogu
85	Effects of Slurry Prepared by Adding Oily Sludge and Wastewater on GE Gasification Process	Zhou	Xueshuang
86	The Development and Prospect of HAZOP Analysis of Petrochemical Industry in China	Jiu	Jiangbo
87	The research and promotion of a key process safety technology in CNPC	Wei	Zhenqiang
88	Research on Fixed Fire Equipments of Floating Roof Tanks	Yang	Xinghua
89	Statistical Analysis and Classification Study on Fire Accidents of Refinery Equipment	Yan	Lunjiang

**SPRING MEETING POSTERS**

90	Self-Cleaning "Bernoulli" Type Filters Used in Onshore and Offshore Applications	Krueger	Artur
91	Young Professional Simulation Tutorial	Hua	Naomi
92	Development Of Polymeric Sulfonic Acid Composite Membranes For Fuel Cell Applications	Adewole	Jimoh
93	Facility Siting for Major Projects – Implementation of Consequence Analysis/Quantitative Risk Analysis, a Project Development Lifecycle Framework	Haider	Mohammad Faruq
94	Fabrication of Low Cost Insulating Material from Kaolin Clay for Construction Purposes	Faqir	Naim
95	Thermodynamic Study of Binary PAH (Anthracene + Phenanthrene) Solid Mixtures	Rice	James
96	Huaa – When Learning Is Not Enough	Bearrow	Mike
97	Compliance with EPA Boiler MACT standards: Mercury-In-Fuel Gas	Laine	Patrick
98	Biosorptive Dehydration of Ethanol/Water Azeotropes Using Compound Starch-Based Adsorbent	Sun	Jinsheng
99	Double Containment Piping Solutions for Safety and Environmental Concerns	Johnson	Darin
100	Production, Characterization and Catalytic Studies of Biobased Carbon Materials	Yan	Qiangu
101	Purification of 2-Amino-1-Phenylethanol Enantiomers By a New Technique Combining Distillation and Crystallization	Shiau	Lie-Ding
102	Characterization of Iron Phthalocyanine As the Active Material for Lithium Batteries	Anneken	David
103	Change Your Board Operator to a Process Manager with State-Based Control	Nolan	Tom
104	DTP R Process: On-purpose Propylene Production Technology	Morita	Mitsuo
105	How Do You Choose One Among 280 Million Scenarios?	Franceschetti	Giorgio
106	Effects of Support on Sulfur Tolerance and Regeneration of Pt Catalysts Measured By Ethylene Hydrogenation and EXAFS	Pazmino	Jorge

107	Improved Operational Efficiency and Reliability through Insulation Materials Selection	Coppella	Steven
108	Novel Solutions to Fouling and Corrosion in Dilution Steam Generation	Ramaswamy	M
109	Global Energy and Transportation and Mobil Oil	Scott	Ethenia
110	Autocad - Smart Grid – Agriculture - Architecture and the United States Government	Scott	Ethenia
111	Pyrolytic Characteristics and Kinetics of Microalgae ( Chlorella Vulgaris and Nannochloropsis Oculata) By Thermogravimetric Analysis	Aliyu	Auwal
112	Design of a Free-Fall Reactor for Fast Pyrolysis of Waste Plastics	Kannan	Pravin
113	How Confident Are You That Your Major Accident Risks Are Under Control?	Graeme	Ellis
114	Sil Determination: Shortcomings with the Use of LOPA	King	Alan
115	Chromonic Nanocarriers for Chemotherapeutics: Size Distribution and Control Release	Misra	Rahul