2016 Spring & 12th GCPS Poster Sessions

Monday, April 11, 2016, 5:00 PM - 7:00 PM - Exhibit Hall E, George R. Brown Convention Center

65 - Process Safety Poster Session

BOARD NUMBER	Abstract Title	First Name	Last Name	Paper Number
60	Quantifying the Importance of Accurate Physical Property Data in Dispersion Modeling	Devin	Averett	65ar
61	Fire Hazard Associated with Polymers and Application of Polymer Nanocomposites for Flame Retardancy	Lubna	Ahmed	65ai
62	Assessing Risk in the Supply Chain Using the Bowtie Method	Radhika	Bompelly	65r
63	Considering Overfilling to be a Non-Applicable Overpressure Scenario	Natalie	Doe	64l
64	Modeling an Unconfined Liquid Spill on a Sloped Surface	Robert	Deshotels	65aq
65	Sustainable Risk Reduction with Dynamic Execution of Procedures for Any Operating Condition	Blair	Morgan	65l
66	Novel Methodology for Inherent Safety Assessment in the Process Design Stage	Ravinder	Singh	65n
67	Quantifying the Impacts of Human Factors on Functional Safety	Loren	Stewart	65c
68	Best Practices for Writing Operator Procedures and Trouble-Shooting Guides	William	Bridges	65q
68	Best Practices for Writing Operator Procedures and Trouble-Shooting Guides	Lauren	Madden	65q
70	Dynamics Operational Risk Management in Organizational Design, the Challenge for Sustainability	Salvador	Ávila Filho	65j
71	Availability Assessment of Water and Energy, a Proposition of Management to Chemical Industry	Salvador	Ávila Filho	65ag
72	Jack Rabbit II: Experimental Large-Scale Chlorine Release Trials	Shannon B.	Fox	65b
73	Realizing the Importance of PSM: A Young Engineer's Perspective	Waheed	Wakil	65a
74	Quantitative Risk Assessment in the Process Industries: Beyond Numerical Estimates of Individual and Societal Risk	Kehinde	Shaba	65d
75	Maintaining Consistency in the Determination of Consequence Severity Rankings for Process Hazard Analyses	Kirk	Busby	65e
76	PSM Legal Update	Mark	Dreux	65h
77	Assessing Safety Culture Via the Site Safety Index	Denise	Chastain-Knight	65i

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BOARD NUMBER	Abstract Title	First Name	Last Name	Paper Number
78	Learning Lessons from a Big Chemical Disaster in Korea	Kwanghee	Lee	65g
78	Learning Lessons from a Big Chemical Disaster in Korea	Il	Moon	65g
80	Analytics to Reveal Meaurable Factors to Process Safety Performance	Joseph	Stough	65k
81	Using Hierarchy of Controls to Reduce the Likelihood of High Severity Scenarios	Alek	Hamparian	65m
82	A Leadership Vision for Accelerating Learning from Past Lessons to Create a Future Free of Incidents	David	Jones	65o
83	Effective Implementation of PSM to Reduce Operational Risks	Srinivasan	Ramabhadran	65p
84	Management of Plant IPL's	Rick	Stanley	65s
85	Safe Depressurization of Large Thickness Vessels Under Pool Fire	Subhash S.	Kale	65u
86	Scaling up Safely: Making Smarter Decisions about Rate Dependency	Zubin	Kumana	65v
87	The Application of Frequency Data in Quantitative Risk Assessment	Vinicius	Simoes	65bd
88	Applying QRA Study to Select and Design Effective Release Prevention Safeguards	Vinicius	Simoes	65bh
89	Uncertainty in Quantitative Risk Assessment and Decision Making	Vinicius	Simoes	65bi
90	Using HAZOP/LOPA to Create an Effective Mechanical Integrity Program	Steven T.	Maher	65w
91	A Fuzzy Logic and Probabilistic Hybrid Approach to Quantify the Uncertainty in Layer of Protection Analysis	Yizhi	Hong	65y
92	Application of Open Source Software Tools in the Process Safety Education	Tianxing	Cai	65z
93	How Process Safety Information Affects the Quality of a Process Hazard Analysis	Dustin J.	Smith	65ab
94	Critical Considerations in the Vacuum Protection of Butane Spheres	Robert	Siml	65ac
95	Coupling Dynamic Pressure Relief System Design with Experimental Vent Flow Regime of Dicumyl Peroxide / Toluene System	Surendra	Singh	65ad
96	Compliance with Process Safety Management Elements	James	Brigman	65ae
97	The Study of HAZOP Revalidation Approach	Jing	Xu	65af
98	Use of Process Incident Data for Accident Sequence Precursor Analysis	Erin	Collins	65f
99	Assessing Cognitive Human Errors for the Process Industries	Erin	Collins	65t

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100	Experimental Measurements of Flammability at Elevated Conditions Using Thermal Criterion	Ning	Gan	65al
101	Reactive Chemical Hazards of Azide Compounds: a Case Study and Lessons Learned	Min	Sheng	65am
102	Apparent Discrepancies in Methods for Predicting the Explosion Energies of Bleves	Amy	Richards	65as
103	Study on Thermal Radiation of Enclosed Ground Flare	Peng	Wang	65aw
104	Application of Computational Fluid Dynamics (CFD) for Liquefied Natural Gas (LNG) Pool Spreading and Vaporization on Water	Nirupama	Gopalaswami	65bb
105	Beyond Quantitative Risk Analysis Results - Part I: Explosions and Blast Phenomena Characterization	Neil	Prophet	65au
106	Beyond Quantitative Risk Analysis Results - Part II: Fires and Domino Effect Characterization	Neil	Prophet	65av
107	A Novel Open Source CFD Code for Explosion Modelling	Tatiele	Ferreira	65ay
107	A Novel Open Source CFD Code for Explosion Modelling	Sávio	Vianna	65ay
109	We Did a Quantitative Risk Assessment Study. Now What Do We Do with It?	Irfan	Shaikh	65be
110	Uncertainty in Quantitative Risk Assessment and Decision Making	Richard	Gustafson	65bi
111	Quantitative Risk Analysis of Nitrogen Fertilizer Plant, of Moron Petrochemical Complex	Jesus	Gonzalez	65bj
112	Automated Optimization of Gas Detector Placement	Edward	Marszal	65bk
113	Simple Objects As Indicator of the Severity of Vapour Cloud Explosions	Bassam	Burgan	65bl
114	Case Study of Relief Analysis of Compressor Stations	Kumud	Chaurasia	64f
115	How Reliable Are Your Major Accident Hazard Barriers?	Mike	Neill	64o

BOARD NUMBER	Abstract Title	First Name	Last Name	Paper Number
	# 65 - Process Safety Poster Session			
116	A Dynamic Duo of MOC Metrics - Using Quality and Age Scores to Drive Continuous Improvement of Management of Change Process	Jean M.	Cronin	64ah
120	Occupied Building Blast Retrofit and Upgrade for Personnel Safety	Ali	Sari	65aj
121	Analysis of Process Systems during Accidental Fire	Ali	Sari	65ao
122	Managing the Uncertainty in Blast Load Calculations with Enhanced Technical Safety Analysis	Ali	Sari	65ap
123	Occupant Vulnerability for Process Plant Building Design Due to Secondary or Domino Events	Ali	Sari	65at
124	Occupant Vulnerability for Temporary Blast Resistant Modular Buildings	Ali	Sari	65bf
125	An Improved Risk-Based Approach for Accidental Loadings	Ali	Sari	65bg
126	Assessment of the Mechanical Integrity of a Pipeline with Metal Loss, Using Finite Element Method	Alejandro	Castellanos	65ah
126	Assessment of the Mechanical Integrity of a Pipeline with Metal Loss, Using Finite Element Method	Andrés F.	Sánchez Akli	65ah
127	Analysis of Fire Extinguishing Methods in Engine Control Rooms	Alejandro	Castellanos	65ak
127	Analysis of Fire Extinguishing Methods in Engine Control Rooms	Oscar	Mariño	65ak
127	Analysis of Fire Extinguishing Methods in Engine Control Rooms	Julian	Mendez	65ak
127	Analysis of Fire Extinguishing Methods in Engine Control Rooms	Fabio	Ocampo	65ak
127	Analysis of Fire Extinguishing Methods in Engine Control Rooms	Nicolás	Villalba	65ak
128	Reference Framework for the Application of Quantitative Risk Analysis for Hydrocarbon Pipelines, Coupled with Uncertainty Treatment Methods: Techniques for Analysis and Modelling Methods	Alejandro	Castellanos	65an

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128	Reference Framework for the Application of Quantitative Risk Analysis for Hydrocarbon Pipelines, Coupled with Uncertainty Treatment Methods: Techniques for Analysis and Modelling Methods	Fabio	Ocampo	65an
128	Reference Framework for the Application of Quantitative Risk Analysis for Hydrocarbon Pipelines, Coupled with Uncertainty Treatment Methods: Techniques for Analysis and Modelling Methods	Nicolás	Villalba	65an
129	Probit Models for the Determination of Damage Probability of Storage Tanks Due to Flooding Impact	Alejandro	Castellanos	65az
129	Probit Models for the Determination of Damage Probability of Storage Tanks Due to Flooding Impact	Fabio	Ocampo	65az
129	Probit Models for the Determination of Damage Probability of Storage Tanks Due to Flooding Impact	Nicolás	Villalba	65az