

Draft Technical Program Grid (Rev 5, 07/21/2017)

Tuesday, September 12, 2017 Venue: Okayama Convention Center				
07:30-11:00	Registration: Registration area			
08:00-08:20	Welcome - Taketsugu Fujiwara, Vice President, JSSE			
08:20-08:40	Opening Remarks – Shakeel Kadri, CCPS Executive Director			
08:40-09:50	Conference Program Introduction- CCPS Technical Director, Louisa Nara			
08:50-09:00	Chief Guest Introduction- Prof. Mitsuru Arai (Tokyo University); President Japan Society of Safety Engineering (JSSE)			
09:00-09:30	Keynote Address-01 --- Hiroshi Fukushima, Ministry of Economy, Trade and Industry (METI), Japan			
09:30-10:00	Keynote Address-02 --- “CCPS Vision 20/20 in action at Chevron” by Anne O’Neal, Global Manager Operational Excellence and HES at Chevron (awaiting confirmation)			
10:00-10:30	Coffee / Networking Break/ Poster Session			
10:30-12:00	<p>Leaders’ Panel Discussion on Process Safety</p> <p>Panel Moderator: Shakeel Kadri, CCPS Executive Director</p>			
12:00-13:00	Lunch break			
13:00 -17:00	<p>“Leadership forum on Process Safety”, (Closed Door Meeting)</p> <p>Moderator: Louisa Nara, CCPS Technical Director, Supported by: Hisashi Shibuya, JXTG Group;</p> <p>Panel Members: 15 Industry leaders will join this forum. [Location- Okayama Convention Center; Meeting room- TBD]</p>			
13:00-14:15	<p>Session 1</p> <p>Advanced Safe Technology-1</p>	<p>Session 2</p> <p>Committed Culture / Process Safety Leadership-1</p>	<p>Session 3</p> <p>Human Factors-1</p>	<p>Session 4</p> <p>Internet of Things / Big Data / Smartification</p>
	Session Chair	Session Chair	Session Chair	Session Chair
13:00-13:25	<p>“Flare Overload Study for Simultaneous Relieving Scenario of Pressure Relief Valves using the Monte Carlo Model”</p> <p>Makoto Ota, Mitsuyoshi Ninomiya, Chiyoda Corporation</p>	<p>“Striving for Perpetual Safety- Enhancement of Safety Culture by Improvement of Operational Discipline”</p> <p>Yoshimasa Yamamoto; DuPont-Mitsui Polychemicals Co., Ltd</p>	<p>“Human Resource Management for Risk Solutions”</p> <p>Koji Nishikawa; A member of Japan Society of Safety Engineers (JSSE)</p>	<p>“Event big data analysis to enhance the Work site safety competency”</p> <p>Satoshi Yamashita; JSR Corporation</p>
13:25-13:50	<p>“A study of thermal oxidation and spontaneous combustion of lubricating oil penetrated into the heat insulator”</p> <p>Yuki Ozawa; Cosmo Research & Development Center, Cosmo Oil</p>	<p>“A Committed Culture and Process Safety Leadership”</p> <p>Ian Thorpe, Pratik Sharma; HPCL-Mittal Energy Ltd.</p>	<p>“Application of PDCA Check-sheet and team discussion in reducing human errors”</p> <p>Keita Iida; Idemitsu Kosan Co., Ltd. Hokkaido Refinery</p>	<p>“Why Isn’t Oil & Gas APM Software Better?”</p> <p>Michael Marshall; Michael Marshall LLC</p>
13:50-14:15	<p>“Industrial process plant safety by collaboration of a Safety Instrumented System and a Dynamic Simulator”</p> <p>Hirokazu Shimowada; Yokogawa Electric Corp.</p>	<p>“The Power of Positive Process Safety Culture and “ How Can We Get There”</p> <p>Robert Weber, Sonny Sachdeva;PSRG</p>	<p>“Segmentation of Workflow to Ensure Check - Theory and Examples”</p> <p>Toru Nakata; National Institute of Advanced Science and Technology</p>	<p>“Using a Dynamic Quantitative Risk Assessment System to Manage Day-to-Day Operation Risks”</p> <p>Yoke Yuan Loy; G. P. Rangaiah; Lakshminarayanan S.; National University of Singapore</p>
14:15-15:30	<p>Session 5</p> <p>Asset Integrity Management, Aging Facilities / Facility Siting-1</p>	<p>Session 6</p> <p>Enhanced Applications of Lessons Learned-1</p>	<p>Session 7</p> <p>Kaizen / 5S</p>	<p>Session 8</p> <p>Intentional Competency Development-1</p>
	Session Chair	Session Chair	Session Chair	Session Chair
14:15-14:40	<p>“Why Asset Integrity Is Still the Most Difficult PSM Element”</p> <p>Michael Hazzan; Martin Rose; Richard A. Santo; AcuTech Group, Inc.</p>	<p>“Why Do We Keep Repeating Process Safety Accidents?”</p> <p>Rajender Dahiya; AIG - American International Group</p>	<p>“Kaizen and 5S-Katsudou in Maruzen Petrochemical Co., Ltd.”</p> <p>Hidenobu Oda; Maruzen Petrochemical Co., Ltd. Yokkaichi Factory</p>	<p>“Assuring Process Safety Competency for Process Safety Engineers in Inpex Corporation”</p> <p>Florian Guinchard, Siva Kannan; INPEX Corporation</p>
14:40-15:05	<p>“Prevention Measures against External Corrosion of Plants”</p> <p>Daisuke Sugawara; Mitsubishi Gas Chemical Company, Inc</p>	<p>“Modification Factors Application in Quantitative Risk Assessment – a Case Study”</p> <p>Nellya Serikova, Mahesh Murthy; DNV GL</p>	<p>“Systematized health and safety activities for creation of a safety culture”</p> <p>Eiji Urushidani; Shikoku Operations, Taiyo Oil Company, Limited</p>	<p>“Cultivation of Chemical Process Safety Engineer in Mitsubishi Chemical Group”</p> <p>Masaki Nakagawa; Mitsubishi Chemical Corp</p>

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15:05-15:30	"Malaysia LNG Alarm Management System (AMS) Process Safety Leadership" LIM Zheng NG; PETRONAS Malaysia LNG Sdn Bhd	"Effective PSM Implementation Can Reduce the Insurance Premium" Mahendran Guru Samy; Qatar Petroleum	"Research on the system of risk evaluation using the ETA" oohira shouji; TOSOH CORPORATION Yokkaichi Complex	"Embedding Barrier Thinking into the 'Day in a Life' Using Competency Based Learning Principles" Stuart Chia; Fiona Wong; Michell Liu; Krishna Bala; Patricia Grant; Sherpa Consulting
15:30-15:50	Coffee / Networking Break/ Poster Session			
15:50-17:05	Session 9 Committed Culture / Process Safety Leadership-2	Session 10 PSM Implementation-1	Session 11 Advanced Safe Technology-2	Session 12 Enhanced Applications of Lessons Learned-2
	Session Chair	Session Chair	Session Chair	Session Chair
15:50-16:15	"Success Factors for Safe T&I Execution in Oil Refineries" Abdulrahman Al Fadhel; Saudi Aramco	"A Success PS Culture Implementation at Binh Son refining & petrochemical Ltd. - Challenges and Approaches" Vo Hoang Vu; BSR	"Application of non-prescriptive calculation methods for dispersion, fire and explosion into 'Bousai Assessment'" Kuniharu Ueda; Chiyoda Corporation	"Structure Critical Data with Bowties" Alex de Ruijter; Paul Haydock; CGE Risk Management Solutions
16:15-16:40	"Creating safety as a value and a way of life" Sameshima Takashi; JGC Corporation	"Advanced Technologies in Fire and Gas Detector Mapping and Positioning" Dhivya Velmurugan; Nagarajan R; Mohamed Thaslim; Venkata Sainath G; Chola MS Risk Services	"Semiconductor Gas Sensors Making innovations in Safety Applications" Yoshinori Takahashi; New Cosmos Electric Co., Ltd	"Application of Lessons Learnt" Sohail Rabbani; ORPIC
16:40-17:05	"Safety Activities in Oita Complex, Showa Denko K.K." Meiko Saihata; Showa Denko K.K.	"Cyber Security and Functional Safety - the Way Forward?" Nigel Stanley; TUV Rheinland OpenSky	"Experimental Study on a New Leak Location Method for Gas Pipelines Based on Acoustic Waves" Cuiwei Liu; Li Yuxing; Minghai Xu Sr. University Petroleum China	"Identifying and Managing Safety Critical Element- Practical Implementation Challenges and Lessons Learned" Mahesh Murthy; SABIC
17:05-18:20	Session 13 Human Factors-2	Session 14 Asset Integrity Management, Aging Facilities / Facility Siting-2	Session 15 Vibrant Management Systems-1	Session 16 Disciplined Adherence to Std+ Harmonization of Stds
	Session Chair	Session Chair	Session Chair	Session Chair
17:05-17:30	"Non-technical Skill Education to prevent accidents" Tadao Minamigawa; Asahi Glass	"Characteristics and likelihood modeling of Corrosion Under Insulation analyzed by inspection data and the practicability of the Neutron Moisture meter of insulation for CUI screening in Japanese chemical plants- Introduction the results of IoT and maintenance advancement project led by Ministry of Economy, Trade and Industry" Masao Nakahara; Asahi Kasei Corporation	"The Responsible Care Audit System of Sumitomo Chemical" Shinichi Murakami; Sumotomo	"Spill Control Systems on Floating LNG Topside" Ryu Ogihara; JGC Corporation
17:30-17:55	"How to manage a responding process for the emergency with crisis based on SSM; A case of applying this new approach to an emergency situation on the factories in the chemical complex" Satoshi Suzuki; Japan Association of Action Research	"Control Soil Side Corrosion of Above Ground Tanks By Injection Vapor Phase Corrosion Inhibitors (VPCI)" Naif Alabri; ORPIC	"Leveraging Plant Information (PI) System Towards Improving Plant Process Safety Performance" Najah Mohd Jamal; Azura Azahar; PETRONAS	"Benefits Sharing and Congruence Seeking on Process Safety Performance Indicators" Bernard L W Leong; PETROCHEMICAL CORPORATION OF SINGAPORE
17:55-18:20	"Leadership Keeping the Balance for an Excellent Process Safety Culture" Robert Kauer, Coen van Driel, Jong-In Kim,	"Inferencing Economic Impacts of Accidents in the Oil & Gas Supply Chain Using Fuzzy Systems" Alexander Guzman Urbina; Ritsumeikan University	"More Effective Bow Ties and Better Siting and Layout of Facilities" Charles Ian Cowley; CCPS Staff	"Efficient Implementation of Functional Safety and Its Benefits for the Japan Process Industry" Hervé Bonnel, Daniel Kong; ERM
18:20	Day 1: Session Close			
18:30-19:30	Poster Session (1 minute presentation by each poster session participant)			
19:30	Reception Dinner			

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Wed, September 13, 2017 Venue: Okayama Convention Center				
07:30-11:00	Registration: Registration area			
08:00-08:20	Welcome Remarks – Prof. Mitsuru Arai (Tokyo University); President Japan Society of Safety Engineering (JSSE)			
08:20-08:30	Leadership Forum Introduction by Ms. Louisa Nara, CCPS Technical Director			
08:30-09:00	Call for Action – By Akio Ueda Representative Director, Member of the Board, Senior Managing Executive Officer; Mitsubishi Chemical Corporation – Summary of “Leadership Forum on Process Safety” discussed during [Closed Door Session – Day 1]			
09:00-09:30	Keynote Address-03 --- Jun Mutoh; Vice President; JXTG Holdings, Inc.			
09:30-10:00	Keynote Address-04 --- Kristine Kulinowski, Board Member, Chemical Safety Board (CSB), USA			
10:00-10:30	Coffee / Networking Break/ Poster Session			
10:30-12:00	Academia panel discussion on Process Safety [Location- TBD] Panel Moderator: Louisa Nara, CCPS Technical Director			
12:00-13:00	Lunch break			
13:00-14:15	Session 17 Committed Culture / Process Safety Leadership-3	Session 18 Asset Integrity Management, Aging Facilities / Facility Siting-3	Session 19 Intentional Competency Development-2	Session 20 Vibrant Management Systems-2
	Session Chair	Session Chair	Session Chair	Session Chair
13:00-13:25	“PSM Culture As the Foundation of PSM Excellence” David A. Moore; AcuTech Consulting Group	“An Integrated Detection and Location Model for Leakages of Liquid Pipeline” Cuiwei Liu; Li Yuxing; Minghai Xu	“Transformation of Process Safety Learning” Worachai Puvisitkul; SCG Chemicals	“Process Safety Performance Improvement through Leading Key Performance Indicators” Sulo Belawan; Petronas
13:25-13:50	“Relationship of Safety Performance and Safety Culture Survey Result in Japanese Oil and Chemical Plants: Focusing on employees’ perception of three major functions in plants” Akira Tose; Niigata University	“Managing Process Safety and Asset Integrity for Mature Assets By Applying Process Safety Key Performance Indicators in Pertamina Hulu Energy Onw” Margaretha Thaliharjanti; Frik Febby Pertamina Hulu Energy ONWJ	“Study of Safety Training and Training Programs in Japan” Katsuyuki Kimura; The High Pressure Gas Safety Institute of Japan	“A Case Study on Learning through Investigation of Process Safety Incident” S. Mani; ORCHID PHARMA
13:50-14:15	“Vision to Japanese Process Safety Management in Future” Tetsuo Fuchino- Tokyo Institute of Technology; Masaki Nakagawa- Mitsubishi Chemical Corporation; Takashi Nakagawa- Idemitsu Kosan	“QRA for RAPID Steam Cracker Complex and its Effective Utilization for Risk-based Engineering” IWAO TEZUKA, A Shukor Mahat; Toyo Engineering Corporation	“Appropriate Selection of Risk Assessment Technique(s) for Effective Risk Management” Maloji Bhosale;	“Better Operational Risk Management - Enhancing the Knowledge of Internal Stakeholders” Thomas Poon; Dupont
14:15-15:30	Session 21 Prevention of Runaway Reaction	Session 22 Advanced Safe Technology-3	Session 23 PSM-Implementation-2	Session 24 Human Factors-3
	Session Chair	Session Chair	Session Chair	Session Chair
14:15-14:40	“Lessons and Measures from the Accident of the Resin Tower in Hydrogen Peroxide Plant” Tetsuya Yamamoto; Mitsubishi Gas Chemical Company, Inc	“Getting Realistic Failure Rates for SIS Verification” Kaoru Sonoda; Exida-Japan LLC	“Planning for Efficient Verification in the Functional Safety Lifecycle” Peter Clarke; xSeriCon	“Technology transfer activity to next generation operators for prevention of recurrence for plant accident” Kazumitsu Sakurai; ASAHI-KASEI Corporation
14:40-15:05	“A Study of Influential Factors on Thermal Stability of Polymeric Materials” Yukie Nakamura, Shinichirou Gotou; Mitsui Chemicals, Inc	“Addressing and Application of Remaining Life -span Diagnosis Regarding Electricity and Instrumentation Equipment Electricity and Submitter’s.” Ryuusaku Uwamukai; StyreneStyrene Styrene Styrene Monomer Co. Ltd	“Advancement of Risk Assessment Practices at Engro Fertilizers” Faiq Rabbani; Engro Fertilizers	“Procedure-based-HAZOP” Hayato Nishii; JXTG-Kawasaki Refinery
15:05-15:30	“Lessons Learned from the Assessment of Occupied Buildings Risk on Brownfield Sites” Ronan Flanagan, Andy Nelson; MMI	“Hazard Screening Method for Mixing of Reactive Chemicals Using Small Scale Dewar Vessels” Risa Suzuki; Yu-ichiro Izato; Satoru Yoshino; Tomoe Komoriya; Keiichi Sakamoto; Atsumi	“Toxic Release Route Index for Inherently Safer Design Plant” Dzulkarnain Zaini, Azmi M Shariff, Centre Of Advanced Process Safety (CAPS) Universiti Teknologi PETRONAS	“Failsafeing Human Error” Rafaqat A. Khan; Saudi Aramco

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		Miyake; Yokohama National University		
15:30-15:50	Coffee / Networking Break/ Poster Session			
15:50-17:05	Session 25 Committed Culture / Process Safety Leadership-4	Session 26 Enhanced Applications of Lessons Learned-3	Session 27 Asset Integrity Management, Aging Facilities / Facility Siting-4	Session 28 Advanced Safe Technology-4
	Session Chair	Session Chair	Session Chair	Session Chair
15:50-16:15	"Process Safety Leadership and Committed Culture" Srinivasan Ramabhadran; DuPont, Singapore	"Fuzzy Logic and Battelle Environmental Evaluation System in EIA" Sruthy P.S; CUSAT	"Modelling of Radiation Impacts from Multiple Ignited PSVs on LNG Tanks" Dennis Ngai; Sharad Gupta; Tsz Chung Ho; Shuang Gao; IRESC	"Study of the Prediction Method of the Dust Explosion Characteristic of the Combustible Powder By the Analysis of the Combustible Gas" Kiichi Hashimoto; Mitsubishi Chemical Corporation
16:15-16:40	"Strengthening Process Safety Culture through Hearts and MINDS Programme" Farhana Ghazi; UNIVERSITI TEKNOLOGI MALAYSIA	"Should all Small Incidents be Investigated?" John Michael (Mike) Munsil; Annie Nguyen; Robert Weber; Sonny Sachdeva; PSRG	"Experience Sharing on How to Ensure Asset Integrity of Ageing Facilities" Lucas Ng HK; PETROCHEMICAL CORPORATION OF SINGAPORE	"Application of Practical Blast Overpressure Prediction based on Blast Curve Methods to Plant Engineering" Kazuki Shibasaki; Toyo Engineering Corporation
16:40-17:05	"Integrated Technical HSE Management Program for Occupational and Process Safety in Design Phase" Masayuki Tanabe; Yokohama National University	"Elements of Best Practice for Pressure Relief System Analysis" Lee Cherrng EN; Siemens Pte Ltd	"Chemical Treatment of Boiler Feedwater for Water TUBE Boiler at Bpc Man Complex" Tuan Noraziha Tuan Zakaria; UNIVERSITI TEKNOLOGI MALAYSIA	"Design and Applications of Trend Monitoring System for Critical Process Variables" Morimasa Ogawa; Azbil Corp
17:05-17:20	Concluding Remarks / Actions Taken by CCPS [Combined Session]			