

Technical Program Grid (Rev 9, 08/14/2017)

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	Leaders’ Panel Discussion on Process Safety Panel Moderator: Shakeel Kadri, CCPS Executive Director			
12:00-13:00	Lunch break			
13:00 -17:00	“Leadership forum on Process Safety”, (Closed Door Meeting) Moderator: Louisa Nara, CCPS Technical Director, Supported by: Hisashi Shibuya, JXTG Group; Panel Members: 15 Industry leaders will join this forum. [Location- Okayama Convention Center; Meeting room- TBD]			
13:00-14:15	Session 1 Advanced Safe Technology-1	Session 2 Committed Culture / Process Safety Leadership-1	Session 3 Human Factors-1	Session 4 Internet of Things / Big Data / Smartification
	Session Chair: Atsumi Miyake	Session Chair: Bernard L W Leong	Session Chair: Mamiko Takahara	Session Chair: Dr. Aldeeb Abdulrehman
13:00-13:25	“Flare Overload Study for Simultaneous Relieving Scenario of Pressure Relief Valves using the Monte Carlo Model” Makoto Ota, Mitsuyoshi Ninomiya, Chiyoda Corporation	“Striving for Perpetual Safety- Enhancement of Safety Culture by Improvement of Operational Discipline” Yoshimasa Yamamoto; DuPont-Mitsui Polychemicals Co., Ltd	“Human Resource Management for Risk Solutions” Koji Nishikawa; A member of Japan Society of Safety Engineers (JSSE)	“Event big data analysis to enhance the Work site safety competency” Hiroshi Hashimoto; JSR Corporation
13:25-13:50	“A study of thermal oxidation and spontaneous combustion of lubricating oil penetrated into the heat insulator” Yuki Ozawa; Cosmo Research & Development Center, Cosmo Oil	“Integrated Technical HSE Management Program for Occupational and Process Safety in Design Phase” Masayuki Tanabe; Yokohama National University	“Application of PDCA Check-sheet and team discussion in reducing human errors” Keita Iida; Idemitsu Kosan Co., Ltd. Hokkaido Refinery	“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
13:50-14:15	“Industrial process plant safety by collaboration of a Safety Instrumented System and a Dynamic Simulator” Hirokazu Shimowada; Yokogawa Electric Corp.	“The Power of Positive Process Safety Culture and “ How Can We Get There” Robert Weber, Sonny Sachdeva;PSRG	“Segmentation of Workflow to Ensure Check - Theory and Examples” Toru Nakata; National Institute of Advanced Science and Technology	“Using a Dynamic Quantitative Risk Assessment System to Manage Day-to-Day Operation Risks” Yoke Yuan Loy; G. P. Rangaiah; Lakshminarayanan S.; National University of Singapore
14:15-14:25	Break Time			
14:25-15:40	Session 5 Asset Integrity Management, Aging Facilities / Facility Siting-1	Session 6 Enhanced Applications of Lessons Learned-1	Session 7 Kaizen / 5S	Session 8 Intentional Competency Development-1
	Session Chair: Takashi Nakagawa	Session Chair: Shigeyuki Tanaka	Session Chair: Motohiro Kowa	Session Chair: David Moore
14:25-14:50	“Why Asset Integrity Is Still the Most Difficult PSM Element” Michael Hazzan; Martin Rose; Richard A. Santo; AcuTech Group, Inc.	Waiting for speaker’s confirmation	“Kaizen and 5S-Katsudou in Maruzen Petrochemical Co., Ltd.” Hidenobu Oda; Maruzen Petrochemical Co., Ltd. Yokkaichi Factory	“Assuring Process Safety Competency for Process Safety Engineers in Inpex Corporation” Florian Guinchard, Siva Kannan; INPEX Corporation
14:50-15:15	“Prevention Measures against External	“Modification Factors Application in	“Systematized health and safety activities for	“Cultivation of Chemical Process Safety Engineer in

Technical Program Grid (Rev 9, 08/14/2017)

	Corrosion of Plants Daisuke Sugawara; Mitsubishi Gas Chemical Company, Inc	Quantitative Risk Assessment – a Case Study Nellya Serikova, Mahesh Murthy; DNV GL	creation of a safety culture Eiji Urushidani; Shikoku Operations, Taiyo Oil Company, Limited	Mitsubishi Chemical Group Masaki Nakagawa; Mitsubishi Chemical Corp
15:15-15:40	“Malaysia LNG Alarm Management System (AMS)” 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
15:40-16:00	Coffee / Networking Break/ Poster Session			
16:00:17:15	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: Robert Weber	Session Chair: Mineko Kumasaki	Session Chair: Yuuto Mizuta	Session Chair: Sazali Abu Kassim
16:00-16:25	“Success Factors for Safe T&I Execution in Oil Refineries” Abdulrahman Al Fadhel; Saudi Aramco	Waiting for speaker's confirmation	“Alternative Simple Fire and Explosion Models for Bousai Assessment” Kuniharu Ueda; Chiyoda Corporation	“Structure Critical Data with Bowties” Alex de Ruijter; Paul Haydock; CGE Risk Management Solutions
16:25-16:50	“Creating safety as a value and a way of life” Sameshima Takashi; JGC Corporation	“More Effective Bow Ties and Better Siting and Layout of Facilities” Charles Ian Cowley; CCPS Staff	“Semiconductor Gas Sensors Making innovations in Safety Applications” Yoshinori Takahashi; New Cosmos Electric Co.,Ltd	“Application of Lessons Learnt” Sohail Rabbani; ORPIC
16:50-17:15	“Safety Activities in Oita Complex, Showa Denko K.K” Meiko Saihata; Showa Denko K.K.	“Efficient Implementation of Functional Safety and Its Benefits for the Japan Process Industry” Hervé Bonnel, Daniel Kong; ERM	“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
17:15-17:25	Break Time			
17:25-18:15	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: Atsuko Fumoto	Session Chair: Masaki Iguchi	Session Chair: Motohiko Sumino	Session Chair: Hisashi Shibuya
17:25-17:50	“Towards A New Approach how to respond to the emergency with crisis using SSM” Kenichi Uchiyama, Daito Bunka University	“Lessons Learned from the Assessment of Occupied Buildings Risk on Brownfield Sites” Ronan Flanagan, Andy Nelson; MMI	“The Responsible Care Audit System of Sumitomo Chemical” Shinichi Murakami; Sumotomo	“Spill Control Systems on Floating LNG Topside” Ryu Ogihara; JGC Corporation
17:50-18:15	“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	“Inferencing Economic Impacts of Accidents in the Oil & Gas Supply Chain Using Fuzzy Systems” Alexander Guzman Urbina; Ritsumeikan University	“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
18:15	Day 1: Session Close			
18:15-18:25	Break Time			
18: 25-19:25	Poster Sessions (1 minute presentation by each poster session participant)			
19:30	Reception Dinner			

Technical Program Grid (Rev 9, 08/14/2017)

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: Masaki Nakagawa	Session Chair: Jhittiwa Keeempai	Session Chair: Dr. Risza	Session Chair: Vivek Bichave
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	Waiting for speaker’s confirmation	“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-Toyo Engineering Corporation; A Shukor Mahat- Petroliam Nasional Berhad (PETRONAS)	“Human resource development and safety” Masaki Hashimoto, Idemistu	“Better Operational Risk Management - Enhancing the Knowledge of Internal Stakeholders” Thomas Poon; Dupont
14:15-14:25	Break Time			
14:25-15:40	Session 21 Prevention of Runaway Reaction	Session 22 Advanced Safe Technology-3	Session 23 PSM-Implementation-2	Session 24 Human Factors-3
	Session Chair: Yasuhiro Sugano	Session Chair: Eizaburo Miyata	Session Chair: Srinivasan, Ramabhadran	Session Chair: Charles Cowley
14:25-15:00	“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	“Design and Applications of Trend Monitoring System for Critical Process Variables” Morimasa Ogawa; Azbil Corp	“Technology transfer activity to next generation operators for prevention of recurrence for plant accident” Kazumitsu Sakurai; ASAHI-KASEI Corporation
15:00-15:25	“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	“Potential Loss of Life (PLL) Analysis of Existing LGV (LIQUIFIED GAS VEHCLE) Station , Kemang , Indonesia” Sumardi Peter; Wegik D. Prasetyo; Sugiyarto Sugiyarto; University of PERTAMINA	“Procedure-based-HAZOP” Hayato Nishii; JXTG-Kawasaki Refinery
15:25-15:40	Waiting for speaker’s confirmation	“Hazard Screening Method for Mixing of	“Toxic Release Route Index for Inherently Safer	“Non-technical Skill Education to prevent accidents”

Technical Program Grid (Rev 9, 08/14/2017)

		Reactive Chemicals Using Small Scale Dewar Vessels" Risa Suzuki; Yu-ichiro Izato; Satoru Yoshino; Tomoe Komoriya; Keiichi Sakamoto; Atsumi Miyake; Yokohama National University	Design Plant" Dzulkarnain Zaini, Azmi M Shariff, Centre Of Advanced Process Safety (CAPS) Universiti Teknologi PETRONAS	Tadao Minamigawa; Asahi Glass
15:40-16:00	Coffee / Networking Break/ Poster Session			
16:00-16:50	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 : Kazuhiko Suzuki	Session Chair: Tetsuo Fuchino	Session Chair: Tomoya Ohtani	Session Chair: Shinichirou Gotou
16:00-16:25	"Process Safety Leadership and Committed Culture" Srinivasan Ramabhadran; DuPont, Singapore	"Dust Explosion Hazard and Its Unknown Risk Factors" Bhavesh Shukla; Michelman; Singapore	"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
16:25-16:50	"Leadership Keeping the Balance for an Excellent Process Safety Culture" Robert Kauer, Coen van Driel, Jong-In Kim,	"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
16:50-17:00	Break Time			
17:00-17:15	Concluding Remarks / Actions Taken by CCPS [Combined Session]			