

## 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	<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: Atsumi Miyake	Session Chair: Bernard L W Leong	Session Chair: Mamiko Takahara	Session Chair: Dr. Aldeeb Abdulrehman
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>Hiroshi Hashimoto; 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 &amp; Development Center, Cosmo Oil</p>	<p>“Integrated Technical HSE Management Program for Occupational and Process Safety in Design Phase”</p> <p>Masayuki Tanabe; Yokohama National University</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>“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”</p> <p>Masao Nakahara; Asahi Kasei Corporation</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>
14:15-14:25	Break Time			
14:25-15:40	<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: Takashi Nakagawa	Session Chair: Shigeyuki Tanaka	Session Chair: Motohiro Kowa	Session Chair: David Moore
14:25-14:50	<p>“Why Asset Integrity Is Still the Most Difficult PSM Element”</p> <p>Michael Hazzan; Martin Rose; Richard A. Santo; AcuTech Group, Inc.</p>	Waiting for speaker's confirmation		<p>“Assuring Process Safety Competency for Process Safety Engineers in Inpex Corporation”</p> <p>Florian Guinchard, Siva Kannan; INPEX Corporation</p>
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

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	<b>Corrosion of Plants"</b> Daisuke Sugawara; Mitsubishi Gas Chemical Company, Inc	<b>Quantitative Risk Assessment â€" a Case Study"</b> Nellya Serikova, Mahesh Murthy; DNV GL	<b>creation of a safety culture"</b> Eiji Urushidani; Shikoku Operations, Taiyo Oil Company, Limited	<b>Mitsubishi Chemical Group"</b> Masaki Nakagawa; Mitsubishi Chemical Corp
15:15-15:40	<b>"Malaysia LNG Alarm Management System (AMS)"</b> LIM Zheng NG; PETRONAS Malaysia LNG Sdn Bhd	<b>"Effective PSM Implementation Can Reduce the Insurance Premium"</b> Mahendran Guru Samy; Qatar Petroleum	<b>"Research on the system of risk evaluation using the ETA"</b> Oohira Shouji; TOSOH CORPORATION Yokkaichi Complex	<b>"Embedding Barrier Thinking into the 'Day in a Life' Using Competency Based Learning Principles"</b> Stuart Chia; Fiona Wong; Michell Liu; Krishna Bala; Patricia Grant; Sherpa Consulting
15:40-16:00	<b>Coffee / Networking Break/ Poster Session</b>			
16:00-17:15	<b>Session 9 Committed Culture / Process Safety Leadership-2</b>	<b>Session 10 PSM Implementation-1</b>	<b>Session 11 Advanced Safe Technology-2</b>	<b>Session 12 Enhanced Applications of Lessons Learned-2</b>
	<b>Session Chair: Robert Weber</b>	<b>Session Chair: Mineko Kumasaki</b>	<b>Session Chair: Yuuto Mizuta</b>	<b>Session Chair: Sazali Abu Kassim</b>
16:00-16:25	<b>"Success Factors for Safe T&amp;I Execution in Oil Refineries"</b> Abdulrahman Al Fadhel; Saudi Aramco	<b>Waiting for speaker's confirmation</b>	<b>"Alternative Simple Fire and Explosion Models for Bousai Assessment"</b> Kuniharu Ueda; Chiyoda Corporation	<b>"Structure Critical Data with Bowties"</b> Alex de Ruijter; Paul Haydock; CGE Risk Management Solutions
16:25-16:50	<b>"Creating safety as a value and a way of life"</b> Sameshima Takashi; JGC Corporation	<b>"More Effective Bow Ties and Better Siting and Layout of Facilities"</b> Charles Ian Cowley; CCPS Staff	<b>"Semiconductor Gas Sensors Making innovations in Safety Applications"</b> Yoshinori Takahashi; New Cosmos Electric Co., Ltd	<b>"Application of Lessons Learnt"</b> Sohail Rabbani; ORPIC
16:50-17:15	<b>"Safety Activities in Oita Complex, Showa Denko K.K."</b> Meiko Saihata; Showa Denko K.K.	<b>"Efficient Implementation of Functional Safety and Its Benefits for the Japan Process Industry"</b> HervÃ Bonnel, Daniel Kong; ERM	<b>"Experimental Study on a New Leak Location Method for Gas Pipelines Based on Acoustic Waves"</b> Cuiwei Liu; Li Yuxing; Minghai Xu Sr. University Petroleum China	<b>"Identifying and Managing Safety Critical Element-Practical Implementation Challenges and Lessons Learned"</b> Mahesh Murthy; SABIC
17:15-17:25	<b>Break Time</b>			
17:25-18:15	<b>Session 13 Human Factors-2</b>	<b>Session 14 Asset Integrity Management, Aging Facilities / Facility Siting-2</b>	<b>Session 15 Vibrant Management Systems-1</b>	<b>Session 16 Disciplined Adherence to Std+ Harmonization of Stds</b>
	<b>Session Chair: Atsuko Fumoto</b>	<b>Session Chair: Masaki Iguchi</b>	<b>Session Chair: Motohiko Sumino</b>	<b>Session Chair: Hisashi Shibuya</b>
17:25-17:50	<b>"Towards A New Approach how to respond to the emergency with crisis using SSM"</b> Kenichi Uchiyama, Daito Bunka University	<b>"Lessons Learned from the Assessment of Occupied Buildings Risk on Brownfield Sites"</b> Ronan Flanagan, Andy Nelson; MMI	<b>"The Responsible Care Audit System of Sumitomo Chemical"</b> Shinichi Murakami; Sumotomo	<b>"Spill Control Systems on Floating LNG Topside"</b> Ryu Ogiwara; JGC Corporation
17:50-18:15	<b>"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"</b> Satoshi Suzuki; Japan Association of Action Research	<b>"Inferencing Economic Impacts of Accidents in the Oil &amp; Gas Supply Chain Using Fuzzy Systems"</b> Alexander Guzman Urbina; Ritsumeikan University	<b>"Leveraging Plant Information (PI) System Towards Improving Plant Process Safety Performance"</b> Najah Mohd Jamal; Azura Azahar; PETRONAS	<b>"Benefits Sharing and Congruence Seeking on Process Safety Performance Indicators"</b> Bernard L W Leong; PETROCHEMICAL CORPORATION OF SINGAPORE
18:15	<b>Day 1: Session Close</b>			
18:15-18:25	<b>Break Time</b>			
18: 25-19:25	<b>Poster Sessions (1 minute presentation by each poster session participant)</b>			
19:30	<b>Reception Dinner</b>			

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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: Masaki Nakagawa	Session Chair: Jhittiwa Keeampai	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- Petroliaam 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 VEHICLE) 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”

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		<b>Reactive Chemicals Using Small Scale Dewar Vessels"</b> Risa Suzuki; Yu-ichiro Izato; Satoru Yoshino; Tomoe Komoriya; Keiichi Sakamoto; Atsumi Miyake; Yokohama National University	<b>Design Plant"</b> Dzulkarnain Zaini, Azmi M Shariff, Centre Of Advanced Process Safety (CAPS) Universiti Teknologi PETRONAS	Tadao Minamigawa; Asahi Glass
<b>15:40-16:00</b>	<b>Coffee / Networking Break/ Poster Session</b>			
<b>16:00-16:50</b>	<b>Session 25</b> <b>Committed Culture / Process Safety Leadership-4</b>	<b>Session 26</b> <b>Enhanced Applications of Lessons Learned-3</b>	<b>Session 27</b> <b>Asset Integrity Management, Aging Facilities / Facility Siting-4</b>	<b>Session 28</b> <b>Advanced Safe Technology-4</b>
	<b>Session Chair : Kazuhiko Suzuki</b>	<b>Session Chair: Tetsuo Fuchino</b>	<b>Session Chair: Tomoya Ohtani</b>	<b>Session Chair: Shinichirou Gotou</b>
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
<b>16:50-17:00</b>	<b>Break Time</b>			
<b>17:00-17:15</b>	<b>Concluding Remarks / Actions Taken by CCPS [Combined Session]</b>			