

Technical Program Grid (Rev 12C, 08/29/2017)

Nvu j Monday, September 11, 2017 Venue: Okayama Convention Center				
13:00-17:00	Registration: Registration area; Location: Atrium, Level 2			
08:00-17:00	Pre-conference Course on CCPS Risk Based Process Safety; Facilitators: Louisa Nara- CCPS Global Technical Director & Charles Cowley; CCPS Staff			
18:00 -20:00	Welcome Reception; Location: Reception Hall 2F (Level 2)			
Tuesday, September 12, 2017 Venue: Okayama Convention Center				
07:30-11:00	Registration: Registration area; Location: Atrium, Level 2			
08:00-08:10	Opening Remarks- Mr. Kenro Sato; Vice governor Okayama Prefecture Location: Convention Hall 3F			
08:10-08:30	Welcome - Taketsugu Fujiwara, Vice President, JSSE			
08:30-08:55	Opening Remarks – Shakeel Kadri, CCPS Executive Director			
08:55-09:05	Conference Program Introduction- CCPS Global Technical Director, Louisa Nara			
09:05-09:15	Chief Guest Introduction- Prof. Mitsuru Arai (Tokyo University); President Japan Society of Safety Engineering (JSSE)			
09:15-09:45	Keynote Address-01: “Smart Industrial Safety For safety and productivity”, Hiroshi Fukushima; Ministry of Economy, Trade and Industry (METI), Japan			
09:45-10:15	Keynote Address-02: “CCPS Vision 20/20 in action at Chevron” by Anne O’Neal, Global Manager Operational Excellence and HES at Chevron			
10:15-10:30	Coffee / Networking Break/ Poster Session Location: Event Hall, Level 1			
10:30-12:00	Leaders’ Panel Discussion on Process Safety Panel Moderator: Shakeel Kadri, CCPS Executive Director Location: Convention Hall 3F			
12:00-13:00	Lunch break Location: Reception Hall 2F, (Level 2)			
13:00 -17:00	“Leadership forum on Process Safety”, (Closed Door Meeting) Moderator: Louisa Nara, CCPS Global Technical Director, Supported by: Hisashi Shibuya, JXTG Group; Panel Members: 15 Industry leaders will join this forum. Location: Room 407, Level 4			
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
	Location: Convention Hall, Level 3	Location: Room 301, Level 3	Location: Room 302, Level 3	Location: Exhibition Hall, Level 2
	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 Engineering (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	“PSM Culture As the Foundation of PSM Excellence” David A. Moore; AcuTech Consulting Group	“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

Technical Program Grid (Rev 12C, 08/29/2017)

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 Location: Convention Hall, Level 3 Session Chair: Takashi Nakagawa	Session 6 Enhanced Applications of Lessons Learned-1 Location: Room 301, Level 3 Session Chair: Shigeyuki Tanaka	Session 7 Kaizen / 5S Location: Room 302, Level 3 Session Chair: Motohiro Kowa	Session 8 Intentional Competency Development-1 Location: Exhibition Hall, Level 2 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.	"Modification Factors Application in Quantitative Risk Assessment - a Case Study" Nellya Serikova, Mahesh Murthy; DNV GL	"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 Corrosion of Plants" Daisuke Sugahara; Mitsubishi Gas Chemical Company, Inc	"Effective PSM Implementation Can Reduce the Insurance Premium" Mahendran Guru Samy;	"Systematized health and safety activities for creation of a safety culture" Eiji Urushidani; Shikoku Operations, Taiyo Oil Company, Limited	"Cultivation of Chemical Process Safety Engineer in 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	"Safety Policy Trends in Japan and a Practical, step by step approach to active functional safety" Naoto Arai; Yokokawa solution	"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 Location: Event Hall, Level 1			
16:00-17:15	Session 9 Committed Culture / Process Safety Leadership-2 Location: Convention Hall, Level 3 Session Chair: Robert Weber	Session 10 PSM Implementation-1 Location: Room 301, Level 3 Session Chair: Mineko Kumasaki	Session 11 Advanced Safe Technology-2 Location: Room 302, Level 3 Session Chair: Yuuto Mizuta	Session 12 Enhanced Applications of Lessons Learned-2 Location: Exhibition Hall, Level 2 Session Chair: Sazali Abu Kassim
16:00-16:25	"Success Factors for Safe T&I Execution in Oil Refineries" Abdulrahman Al Fadhel; Saudi Aramco	"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	"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" Takashi Sameshima; 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" Kim Tran, 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 Location: Convention Hall, Level 3 Session Chair: Atsuko Fumoto	Session 14 Asset Integrity Management, Aging Facilities / Facility Siting-2 Location: Room 301, Level 3 Session Chair: Masaki Iguchi	Session 15 Vibrant Management Systems-1 Location: Room 302, Level 3 Session Chair: Motohiko Sumino	Session 16 Disciplined Adherence to Std+ Harmonization of Stds Location: Exhibition Hall, Level 2 Session Chair: Hisashi Shibuya
17:25-17:50	"Towards A New Approach how to respond to the emergency with crisis using SSM"	"Lessons Learned from the Assessment of Occupied Buildings Risk on"	"The Responsible Care Audit System of Sumitomo Chemical"	"Spill Control Systems on Floating LNG Topside" Ryu Ogihara; JGC Corporation

Technical Program Grid (Rev 12C, 08/29/2017)

	Kenichi Uchiyama, Daito Bunka University	Brownfield Sites" Ronan Flanagan, Andy Nelson; MMI	Shinichi Murakami; Sumitomo Chemical	
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) Location: Event Hall, Level 1			
19:30	Reception Dinner Location: Kyokusui at ANA Crown Plaza Okayama, Level 1			

Technical Program Grid (Rev 12C, 08/29/2017)

Wed, September 13, 2017 Venue: Okayama Convention Center				
07:30-11:00	Registration: Registration area Location: Atrium, Level 2			
08:00-08:20	Welcome Remarks – Prof. Mitsuru Arai (Tokyo University); President Japan Society of Safety Engineering (JSSE) Location: Convention Hall 3F			
08:20-08:30	Leadership Forum Introduction by Ms. Louisa Nara, CCPS Global 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: “Expectations for Promoting Process Safety in Japan - Risk Based Process Safety”, Jun Mutoh; Representative Director, Executive Vice President, JXTG Holdings, Inc. & President- Japan Petroleum Institute			
09:30-10:00	Keynote Address-04: “Learning from incidents by CSB”, Kristine Kulinowski, Board Member, Chemical Safety Board (CSB), USA			
10:00-10:30	Coffee / Networking Break/ Poster Session Location: Event Hall, Level 1			
10:30-12:00	Academia panel discussion on Process Safety Panel Moderator: Louisa Nara, CCPS Global Technical Director Location: Convention Hall 3F			
12:00-13:00	Lunch break Location: Reception Hall 2F, (Level 2)			
13:00-14:15	Session 17 Committed Culture / Process Safety Leadership-3 Location: Convention Hall, Level 3 Session Chair: Masaki Nakagawa	Session 18 Asset Integrity Management, Aging Facilities/Facility Siting-3 Location: Room 301, Level 3 Session Chair: Jhittiwa Keeampai	Session 19 Intentional Competency Development-2 Location: Room 302, Level 3 Session Chair: Dr. Risza	Session 20 Vibrant Management Systems-2 Location: Exhibition Hall, Level 2 Session Chair: Vivek Bichave
13:00-13:25	“Integrated Technical HSE Management Program for Occupational and Process Safety in Design Phase” Masayuki Tanabe; Yokohama National University	“An Integrated Detection and Location Model for Leakages of Liquid Pipeline” Cuiwei Liu; Li Yuxing; Minghai Xu; China University of Petroleum (East China)	“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	“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)	“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” Gobinathan; 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 Co., Ltd.	“Asset Performance Management: An All-Encompassing Risk-Based Approach” Victor Borges, Hag Sung Kim, DNV GL Ltd	“Human resource development and safety” Masaki Hashimoto, Idemitsu Kosan Co., Ltd.	“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 Location: Convention Hall, Level 3 Session Chair: Yasuhiro Sugano	Session 22 Advanced Safe Technology-3 Location: Room 301, Level 3 Session Chair: Eisaburo Miyata	Session 23 PSM-Implementation-2 Location: Room 302, Level 3 Session Chair: Srinivasan, Ramabhadran	Session 24 Human Factors-3 Location: Exhibition Hall, Level 2 Session Chair: Charles Cowley
14:25-14:50	“Lessons and Measures from the Accident of the Resin Tower in Hydrogen Peroxide Plant”	“Getting Realistic Failure Rates for SIS Verification”	“Design and Applications of Trend Monitoring System for Critical Process Variables”	“Non-technical Skill Education to prevent accidents” Tadao Minamigawa; Asahi Glass

Technical Program Grid (Rev 12C, 08/29/2017)

	Tetsuya Yamamoto; Mitsubishi Gas Chemical Company, Inc	Kaoru Sonoda; Exida-Japan LLC	Morimasa Ogawa; Azbil Corp	
14:50-15:15	"A Study of Influential Factors on Thermal Stability of Polymeric Materials" Yukie Nakamura, Shinichiro Goto; Mitsui Chemicals, Inc	"Addressing and Application of Remaining Life -span Diagnosis Regarding Electricity and Instrumentation Equipment" Ryuusaku Uwamukai; NS Styrene Monomer Co.,Ltd	"Process Safety Management & Leadership Challenges" Vivek Bichave, Reliance Industries Limited;	"Procedure-based-HAZOP" Hayato Nishii; JXTG-Kawasaki Refinery
15:15-15:40	"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 Miyake; Yokohama National University	"Is QRA relevant to Japan?" Gary C.M; IRESC	"Toxic Release Route Index for Inherently Safer Design Plant" Dzulkarnain Zaini, Azmi M Shariff, Centre Of Advanced Process Safety (CAPS) Universiti Teknologi PETRONAS	"Technology transfer activity to next generation operators for prevention of recurrence for plant accident" Kazumitsu Sakurai; ASAHI-KASEI Corporation
15:40-16:00	Coffee / Networking Break/ Poster Session			
16:00-16:50	Session 25 Committed Culture / Process Safety Leadership-4 Location: Convention Hall, Level 3	Session 26 Enhanced Applications of Lessons Learned-3 Location: Room 301, Level 3	Session 27 Asset Integrity Management, Aging Facilities / Facility Siting-4 Location: Room 302, Level 3	Session 28 Advanced Safe Technology-4 Location: Exhibition Hall, Level 2
	Session Chair : Kazuhiko Suzuki	Session Chair: Tetsuo Fuchino	Session Chair: Tomoya Ohtani	Session Chair: Shinichiro Goto
16:00-16:25	"Process Safety Leadership and Committed Culture" Srinivasan Ramabhadran; DuPont, Singapore	"Dust Explosion Hazard and Its Unknown Risk Factors" Bhaves 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] Location: Convention Hall 3F			