



“New wave of safety in the world: Strategic cooperation between Europe and Japan concerning the promotion of collaborative safety “Safety 2.0” and Vision Zero”

In the coming era of the Fourth Industrial Revolution, a new movement has been emerging worldwide also in the concept of safe and ANSHIN (sense of assurance, reliability and comfort). In the context of “Zero Accident Vision” led by REPOSH in Europe, ISSA proposed “Vision Zero” in September, 2017, where seven golden rules were set up to renovate traditional methods for safety management. In this context, safety culture is going to be built through the leadership of corporate managements building to the concept of “Safety is not a cost but a strategic investment”.

Meanwhile, in Japan, there are big movements including Society5.0, Connected Industries and Robot Revolution promoted by the Ministry of Economy, Trade and Industry (METI). NECA announced the concept of “5 ZERO Manufacturing” in January, 2017. Meanwhile, it has been involved in the promotion of Safety Assessor qualifying system indispensable for developing safety personnel which are globally accepted to realize Zero Accident. In June, 2017, IGSAP announced “Future Safety Concept”. To realize the enhancement of safety and security, and productivity, it is promoting the enhancement of safety and security from four aspects of top-down management system, new technologies for safety and security, safety personnel and social structure focusing on the collaborative safety “Safety 2.0” built through the data connected environment of personnel, machine/robot. As an important foundation of those safety developments in Japan, a number of companies have been promoting “Zero Accident Activities” by Japan Industrial Safety & Health Association since 1973. Those bottom-up activities have been steadily established in many industries in Japan.

Entering the era of the fourth industrial revolution, it is necessary to understand a new trend of safety and security in the world. In this symposium, European experts will introduce cases of initiatives taken by European advancing companies dedicated to establishment of safety culture and safety management based on Zero Accident Vision (ZAV), and give lectures on the latest technological trend in Europe regarding collaborative safety including cooperative robot as a technological innovation. From Japan, there will be lectures on “5 ZERO Manufacturing” and “Future Safety Concept” through the promotion of new collaborative safety, Safety2.0, as new waves, as well as information transmission on “Zero Accident Activities” promoted by Japan Industrial Safety & Health Association toward the world again.

In panel discussions, there will be discussions on the importance of management leadership advocated by Vision Zero, regarding the concept of the new safety and ANSHIN in the future and the way of safety culture, to educate managements of Japanese companies. At the same time, international partnership between Europe and Japan and the global enhancement of the framework will be discussed, to accommodate the development of safety personnel, safety qualification system, and further the promotion of safety and ANSHIN of industries through safety2.0. Refer to URLs listed below as the theme has a large point of view.

◆URL	
Zero Accident Vision (Prof. Zwetsloot)	https://www.sciencedirect.com/science/article/pii/S0925753517303922
Vision Zero (ISSA)	http://visionzero.global/
Zero Accident Activities (JISHA)	http://www.jisha.or.jp/english/
5ZERO Manufacturing (NECA)	https://www.neca.or.jp/wp-content/uploads/profile_of_NECA_2017_en.pdf?20180420
Safety2.0, Future Safety Concept (IGSAP)	http://institute-gsafety.com/ http://institute-gsafety.com/wp-content/themes/igsap/assets/pdf/miraizen.pdf

Date / Venue

Date: **Tue. 26 June 2018, 13:00-17:00, Ivy Hall of Aoyama Gakuin University**
Thu. 28 June 2018, 13:00-17:00, Saji Keizo Memorial Hall, Osaka University Nakanoshima Center

Organizer: Jean Monnet Centre of Excellence, Nippon Electric Control Equipment Industries Association (NECA)

Co-host: Delegation of the European Union to Japan, Japan Business Federation, Kansai Economic Federation,
The Osaka Chamber of Commerce and Industry, Japan Industrial Safety and Health Association (JISHA),
The Institute of Global Safety Promotion (IGSAP)

Language: English and Japanese (Simultaneous interpretation provided at both venues)

Admission: Free

Program *Lecture titles and time may be subject to change.

13:00-13:05 Opening Remarks	Mr. Akira Kubota, Executive Director of NECA
13:05-13:30 Lecture	Mr. Youichi Hayama, Chairman of Monozukuri-Kotozukuri Committee, NECA “Future vision for 5ZERO Manufacturing and the approach to safety and security” (TBD)
13:30-14:10 Lecture	Dr. Gerard I.J.M. Zwetsloot, Honorary professor in Occupational Health and Safety Management, University of Nottingham (UK) “Fostering safety culture with Vision Zero and actual examples of companies activities of ZAV” (TBD)
14:20-15:00 Lecture	Dr. Masao Mukaidono, Chairman of Institute of Global Safety Promotion (IGSAP), Professor Emeritus of Meiji University “Realization of the "Future Safety Concept" led by the company executives and approaches on new collaborative safety” (TBD)
15:00-15:30 Lecture	Mr. Hirohito Suzuki, Director of Campaign Promotion Division, Zero-Accident Promotion Center, Education and Promotion Department, JISHA “What is “Zero Accident Activities” in Japan –about its history, vision and activities”
15:30-16:00 Lecture	Mr. Johan van Middelaar, Manager, Dept. of Industrial Safety, The Netherland Organization for Applied Scientific Research (TNO) “Human-Robot collaboration and perspectives of collaborative safety in Europe” (TBD)
16:10-17:00 Panel Discussion	Panel discussion with the above-mentioned speakers and Q&A Moderator: Dr. Toshihiro Fujita, Chairman of Control Safety Committee of NECA
17:00-17:05 Closing Remarks	Mr. Nobuyuki Yamaki, President, Japan Industrial Safety and Health Association (JISHA)

* Chairperson: Dr. Masakatsu Morii, Professor of Dpt. of Electrical and Electronic Engineering, Graduate School of Engineering, Kobe University