



Online Conference

Live Streaming

July 6th - 7th, 2021

SIAS2021

On-demand Delivery Until September 30th, 2021

SIAS2021, the 10th International Conference on Safety of Industrial Automated Systems, will be held by online. 4 keynote speeches, 2 panel discussions, and 6 featured paper presentations will be live-streamed. The latest papers and posters will be delivered on-demand. We look forward to your participation in SIAS2021.

On-demand Delivery
July 6th (Tue) ~ September 30th (Thu)
 If you missed the live stream, you can view on-demand.



Dr. Yoji Yamada
Nagoya University



Dr. Masao Mukaidono
Meiji University



Mr. Mitsuru Kawai
Toyota Motor Corporation



Mr. Manfred Schoch
BMW



Mr. Fumikazu Sato
Cabinet Office



Mr. Hans-Horst Konkolewsky
Global Vision Zero Ambassador
International ORP Foundation



Mr. Lars Hoffmann
Siemens



Dr. Alberto Schiavon
Pirelli & C. S.p.A.



Dr. Toshihiro Fujita
NECA/IGSAP/IDEC



Dr. Hideo Nakamura
Nihon University



Mr. Thomas Bömer
Institute for Occupational Safety and Health
of the German Social Accident Insurance



Dr. Hiromi Kurosaki
Shimizu Corporation



Mr. Akira Kubota
NECA



Mr. Hiroyasu Ikeda
National Institute of Occupational
Safety and Health, Japan

Time Table (Live Streaming)

【Day 1 July 6th】 15:00~18:30

- Opening
Dr. Yoji Yamada / Professor, Nagoya University
- Keynote Speech① (20min)
New Safety Technology Leads the Next Social Value.
Dr. Masao Mukaidono / Honorary Professor, Meiji University
- Keynote Speech② (30min)
Monozukuri Manufacturing is About Developing People.
Mr. Mitsuru Kawai / Executive Fellow, Toyota Motor Corporation
- Panel Discussion① (60min)
Holistic Approach to Safety.
Moderator • Dr. Masao Mukaidono / Honorary Professor, Meiji University
Mr. Akira Kubota / Executive Director, NECA
Panelist • Mr. Hans-Horst Konkolewsky / Global Vision Zero Ambassador
President of the International ORP Foundation
• Mr. Lars Hoffmann / Head of EHS Expert Center, Siemens
• Dr. Alberto Schiavon / Group Safety Manager,
Ergonomics and Management Systems, Pirelli & C. S.p.A.
• Dr. Toshihiro Fujita / Vice Chairman, NECA / Director, IGSAP
/ Senior Executive Officer, Chief Technology Officer, IDEC
- Presentation① (15min+Q&A5min × 3people=60min)
Risk Assessment & Human Aspects
• Dr. Andre Steimers / Institute for Occupational Safety and Health
(IFA) of the German Social Accident Insurance
• Dr. Rieko Hojo / National Institute of Occupational Safety and Health, Japan.
• Mr. Varun Gopinath / Linkoping University

【Day 2 July 7th】 15:00~18:30

- Keynote Speech③ (30min)
**Safety, Health and Well-being
- Main Pillars in the Business Strategy of BMW**
Mr. Manfred Schoch / Chairman of the BMW Groups Works Council
Deputy Chairman of the Supervisory Board of BMW
- Keynote Speech④ (20min)
Safety & Security in Society 5.0.
Mr. Fumikazu Sato / Councillor / Deputy Director-General (Science,
Technology and Innovation), Cabinet Office
- Panel Discussion② (60min)
The New Wave of Safety from Technical Aspects.
Moderator • Dr. Yoji Yamada / Professor, Nagoya University
Panelist • Mr. Hiroyasu Ikeda / Project Researcher, National
Institute of Occupational Safety and Health, Japan
• Dr. Hideo Nakamura / Honorary Professor, Nihon University
• Mr. Thomas Bömer / Accident Prevention: Digitalisation -
Technologies Institute for Occupational Safety and Health of the
German Social Accident Insurance (DGUV)
• Dr. Hiromi Kurosaki / Manager, Nuclear Waste Management
and Environment Department, Civil Engineering Technology
Division SHIMIZU CORPORATION
• 1 person under selection
- Presentation② (15min+Q&A5min × 3people=60min)
Collaborative Safety & Autonomous Control
• Dr. Takaaki Namba / Nagoya University
• Mr. Timo Malm / VTT Technical Research Centre of Finland Ltd
• Mr. Michaël Sarrey / Institut National de Recherche et de Sécurité
- Closing

On-Demand Delivery

- A number of papers and posters on Conference Topics can be viewed on the SIAS website at any time.
- Live streaming on the 1st and 2nd days will be archived at a later date.

SIAS 10th International Conference on Safety of Industrial Automated Systems

Conference Outline

●Keynote Speech①／Dr. Masao Mukaidono

"New Safety Technology Leads the Next Social Value."

Safety 2.0, a new safety technology based on ICT, and its safety concept called cooperative safety are introduced. Cooperative safety aims at worker safety, health, wellbeing, and ultimately a world of human-centered harmony.

●Keynote Speech②／Mr. Mitsuru Kawai

"Monozukuri Manufacturing is About Developing People."

The main themes are "The need for people to maintain more advanced skills and techniques for truly competitive manufacturing" and "The awareness and thoughtful action to develop human resources who can adapt to any changes for more growing company".

●Panel Discussion①／"Holistic Approach to Safety."

Moderator : Dr. Masao Mukaidono／Mr. Akira Kubota

Panelist : Mr. Hans-Horst Konkolewsky／Mr. Lars Hoffmann
Dr. Alberto Schiavon／Dr. Toshihiro Fujita

●Keynote Speech③／Mr. Manfred Schoch

"Safety, Health and Well-being - Main Pillars in the Business Strategy of BMW."

This presentation provides the key points of BMW's business strategy for 'Safety, Health and Well-being' with the social background and corporate culture.

●Keynote Speech④／Mr. Fumikazu Sato

"Safety & Security in Society 5.0."

Society 5.0 is the human-centered society that aims to achieve economic development and solve social problems by using new technologies such as IoT, robotics and AI. The plans for the realization of Society 5.0 and the impact of new technologies on safety and security are introduced.

●Panel Discussion②／"The New Wave of Safety from Technical Aspects."

Moderator : Dr. Yoji Yamada／Mr. Hiroyasu Ikeda

Panelist : Dr. Hideo Nakamura／Mr. Thomas Bömer／
Dr. Hiromi Kurosaki (1person under selection)

Featured Papers

●Day 1 July 6th "Risk Assessment & Human Aspects"

①Dr. Andre Steimers／Institute for Occupational Safety and Health (IFA) of the German Social Accident Insurance

"New Risks related to Characteristics of Artificial Intelligence"

②Dr. Rieko Hojo／National Institute of Occupational Safety and Health, Japan.

"Introduction of Task Analysis Table Based on Behaviour-Based Safety for Safer and Optimized Work with Dynamic Risk Assessment"

③Mr. Varun Gopinath／Linköping University

"Hazards Pertinent to Coupled Industrial Robot and AGV Systems"

●Day 2 July 7th "Collaborative Safety & Autonomous Control"

④Dr. Takaaki Namba／Nagoya University

"A study on Safety of Collaborative Systems by Assistive Autonomous Mobile Robots Using Deep Learning"

⑤Mr. Timo Malm／Technical Research Centre of Finland Ltd

"Safety Approaches for Autonomous Mobile Machines"

⑥Mr. Michaël Sarrey／Institut National de Recherche et de Sécurité

"AI Algorithms Within Machinery: Safety Issue. "

Oral & Poster Presentation

◆A number of papers and posters on Conference Topics can be viewed on the SIAS website at any time.

Conference Topics

■Technology Aspects

- Safety of collaborative systems
- Safety of machinery
- Protective devices and smart systems
- Safety-related control systems

■Human and Management Aspects

- Human factors
- Training, education and personnel qualification
- Risk assessment / Occupational risk prevention
- Safety, Health and Well-being (Vision Zero)
- And More...

Language

English

Simultaneous interpretation between English and Japanese for keynote speeches and panel discussions.

Registration

◆Fee : Early Bird 16,000JPY (Until 11th June) Standard 20,000JPY (Deadline 25th June)

Organized By

Nippon Electric Control Equipment Industries Association／Nagoya University／National Institute of Occupational Safety and Health, Japan.／The National Institute of Advanced Industrial Science and Technology／Japan Industrial Safety & Health Association／The Japan Robot Association／The Japan Electrical Manufacturers' Association／The Japan Machinery Federation／Japan Electric Measuring Instruments Manufacturers' Association／The Institute of Global Safety Promotion／THE NIKKAN KOGYO SHIMBUN,LTD.

In Cooperation With

The Society of Instrument and Control Engineers／The Robotics Society of Japan／Japan Society for Safety Engineering／The Japan Society of Mechanical Engineers Global Vision Zero Business Council／Health and Safety Executive／Institute for Occupational Safety and Health of the German Social Accident Insurance／Institut National de Recherche et de Sécurité／Institut de recherche Robert-Sauvé en santé et en sécurité du travail／Technical Research Centre of Finland Ltd

Supported By

Ministry of Economy, Trade and Industry (Applying)
Ministry of Health, Labour and Welfare (Applying)
Meiji University
Nagaoka University of Technology

Registration Here

<https://biz.knt.co.jp/tour/2020/10/SIAS2020>



※Speakers are subject to change without prior notice.

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