VISION ZERO SUMMIT 2022

11 to 13 May 2022

OFFICIAL BOOKLET

Redefining safety, health and well-being for the new normal



Archived video available at
https://japan.visionzerosummits.com/

Global Coalition for Safety & Health at Work

Safety Health Well-being

VISION ZERO SUMMIT JAPAN 2022

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Safety Health Well-being

VISION ZERO FOR ALL

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MAYUMI KANEYUKI
Master of Ceremony

VISION ZERO SONG by Royalty Band of Zambia

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Courtesy of Worker's Compensation Fund Control Board

OPENING SESSION



Professor Dr. Masao Mukaidono
INSTITUTE OF GLOBAL SAFETY PROMOTION (IGSAP) CHAIRMAN
VZSJ JAPAN ORGANIZING COMMITTEE CHAIRMAN



Mr.Shigeyuki Goto
MINISTRY OF HEALTH, LABOUR AND WELFARE, JAPAN
MINISTER



Dr. Tedros Adhanom Ghebreyesus
WORLD HEALTH ORGANIZATION (WHO)
DIRECTOR GENERAL



Professor Dr. Joachim Breuer
INTERNATIONAL SOCIALSECURITY ASSOCIATION (ISSA)
PRESIDENT



Mr. Stefan Olsson
EUROPEAN COMMISSION (EC)
WORKING CONDITION AND SOCIAL DIALOGUE DIRECTOR



Ms. Vanessa Harwood-Whitcher
INSTITUTION OF OCCUPATIONAL SAFETY AND HEALTH (IOSH)
CHIEF EXECUTIVE



Mr. Kazuhiko Ishimura
NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY (AIST)
PRESIDENT, CEO



Mr. Manfred Schoch
BMW
CHAIRMAN OF BMW GROUP WORKS COUNCIL



Mr. Kazuyuki Inoue
SHIMIZU CORPORATION
PRESIDENT AND DIRECTOR



Dr. Tommi Alanko
FINNISH INSTITUTE OFOCCUPATIONAL HEALTH (FIOH)
DIRECTOR OF OCCUPATIONAL SAFETY UNIT

MAY 11 SESSION C

IMPLEMENTATION OF VISION ZERO IN ENTERPRISES: FROM VISION TO REALITY

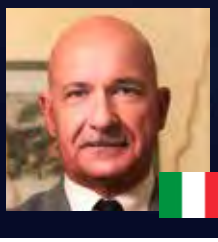
CHAIR



HANS-HORST KONKOLEWSKY

International ORP Foundation (FIORP), President

SUB CHAIRS



FRANCO DUTTO

TSUBAKI NAKASHIMA CO., LTD.
Senior Vice President, Chief HR and Sustainability Officer



JUAN MANUEL CRUZ

Acciona, S.A.
Industrial Relations, H&S and Sustainability Director

SPEAKERS

Click speakers for their full speeches

SESSION 1: A CORPORATE MIND-SET OF PEOPLE CENTRIC HEALTH, SAFETY & WELLBEING



MALCOLM STAVES
L'Oréal S.A.
Global Vice President Health & Safety



ALBERTO SCHIAVON
Pirelli & C. S.p.A.
Group Safety Manager



IVAN PUENTES ARANGO
Grupo Energía Bogotá (GEB)
Group H&S Manager

SESSION 2: VISION ZERO - BOTH SAFETY, HEALTH AND WELLBEING



MANFRED SCHOCH
BMW
Chairman of BMW Group Works Council



FRANCO DUTTO
TSUBAKI NAKASHIMA CO., LTD.
Senior Vice President, Chief HR and Sustainability Officer



NORHAZLINA MYDIN
PETRONAS
Head, HSSE Change & Communications Group HSSE

SESSION 3: BUILDING AN INCLUSIVE PREVENTION CULTURE



JOSEP MARIA VERDEJO
Agbar
Director



THOMAS TARP
LEGO
Senior Director, Global EHS

SESSION 4: DIGITALIZATION FOR PREVENTION



LARS HOFFMANN
Siemens AG
Head of EHS Expert Center



JUAN MANUEL CRUZ
Acciona, S.A.
Industrial Relations, H&S and Sustainability Director



TAKASHI KAWATA
SHIMIZU CORPORATION
Advisor

SESSION B

MAY 11

MAKING GLOBAL SUPPLY CHAINS SAFER

CHAIR



OCKERT DUPPER

International Labour Organization (ILO)
VZF Global Programme Manager

SPEAKERS

Click speakers for their full speeches

TOPIC 1: MAKING GLOBAL SUPPLY CHAINS SAFER AND HEALTHIER -THE ROLE OF BUSINESS



OCKERT DUPPER
International Labour Organization (ILO)
VZF Global Programme Manager



MARIANA INFANTE
International Labour Organization (ILO)
VZF Myanmar Senior Technical Officer



ANNE MARIE LA ROSA
International Labour Organization (ILO)
Senior Policy, Legal and Labour Rights Specialist

TOPIC 2: MAKING SUPPLY CHAINS SAFER THROUGH COLLECTIVE ACTION - RESULTS FROM THE WORK OF VISION ZERO FUND



OCKERT DUPPER
International Labour Organization (ILO)
VZF Global Programme Manager



YESSICA CALVARIO
International Labour Organization (ILO)
VZF Mexico Project Manager



RODRIGO MOGROVEJO
International Labour Organization (ILO)
VZF Latin America Project Manager



KRISTINA KURTHS
International Labour Organization (ILO)
VZF Vietnam Project Manager



MARIANA INFANTE
International Labour Organization (ILO)
VZF Myanmar Senior Technical Officer



BERNARD FOE
International Labour Organization (ILO)
VZF Madagascar Project Manager



EVANS LWANGA
International Labour Organization (ILO)
VZF Ethiopia Project Manager

VISION ZERO FOR ALL

MAY 11 SESSION H

MOBILITY/AUTO-MOBILE/AUTO-GUIDED-VEHICLE (AGV)

CHAIR



TAMIO TANIKAWA

National Institute of Advanced Industrial Science and Technology (AIST)
Deputy Director
Research Center Team Leader

SPEAKERS

Click speakers for their full speeches

SAFETY OF MOBILE VEHICLES – AMONG AUTOMOBILES AND ROBOTS –



HIROHISA HIRUKAWA

National Institute of Advanced Industrial Science and Technology (AIST)
Invited Senior Researcher, Information Technology and Human Factors

TOWARDS VISION ZERO – HUMAN FACTORS AND AUTOMATION



EMMA JOHANSSON

VOLVO
Technology Specialist: Human Factors and Automation

CHALLENGE FOR FIELD ROBOTICS - CHANGING OUTDOOR WORKS -



HIROKI MURAKAMI

IHI Corporation
Technical Advisor of Corporate Research & Development

THE NECESSITY OF INTERNATIONAL STANDARDS AND REGULATIONS FOR SOCIAL IMPLEMENTATION OF COBOTS



TOMONORI SAWADA

Kawasaki Heavy Industries, Ltd.
Associate Officer Deputy Group Manager,
Product Planning Group,
Sales Group Robot Business Division

VISION ZERO, ROAD SAFETY AND THE WAY TO AUTOMATED DRIVING



WALTER EICHENDORF

Der Deutsche Verkehrssicherheitsrat (DVR)
President

"A CAR THAT DOESN'T COLLIDE?" THE SECRET OF "EYESIGHT" CREATED BY SUBARU



YUTAKA HIWATASHI

SUBARU CORPORATION
Technical Supervisor, Technical Division

STRATEGIES TO IMPROVE SAFETY OF DAIFUKU



HIROAKI KITA

Daifuku Co., Ltd.
Corporate Officer, Safety and Health Management

A.I TEAM LOGISTICS



HISASHI ICHIJO

TOYOTA INDUSTRIES CORPORATION
Senior Executive Officer

CREATING SUSTAINABLE RESILIENCE IN OSH



STUART HUGHES

Mercedes-AMG Petronas Formula One Team
Head of Health and Safety

UNDERSTANDING SAFETY AND TRUST OF HUMAN-ROBOT INTERACTION



MARVIN CHENG

National Institute for Occupational Safety & Health (NIOSH)
General Research Engineer/Team Lead of Safety Control Team

AUTONOMOUS VEHICLES AND ROBOTS AT FEDEX



AARON PRATHER

FedEx Express
Senior Technical Advisor

CONSTRUCTION INDUSTRY: IMPROVEMENT OF OSH AND PRODUCTIVITY

CHAIR



TAKASHI KAWATA

SHIMIZU CORPORATION
Advisor

SUB CHAIR



PETE KINES

National Research Centre for the Working Environment
Senior Researcher,
Safety Culture and Accidents

SPEAKERS

Click speakers for their full speeches

PROMOTING I-CONSTRUCTION AND IMPROVING SAFETY AT CONSTRUCTION SITE



YOSHITAKA MORITO
Ministry of Land, Infrastructure, Transport and Tourism (MLIT)
Director of Engineering Affairs Division

ISSUES AND FUTURE ON OCCUPATIONAL SAFETY OF CONSTRUCTION INDUSTRY IN JAPAN



NAOTAKA KIKKAWA
National Institute of Occupational Safety and Health, Japan (JNIOSH)
Senior Researcher

MAKING EXPRESSWAY SAFER BY ADAPTING SAFETY 2.0 (COLLABORATIVE SAFETY)



HIROSHI HASHIMOTO
NEXCO
Facilities Management Office, Facilities Division
General Manager

BRINGING SAFETY 2.0 TECHNOLOGY TO CIVIL ENGINEERING SITES TO IMPROVE SAFETY AND SECURITY IN THE WORKPLACE



HIDESATO KOJIMA
SHIMIZU CORPORATION
Civil Engineering Division, General Manager

DEVELOPMENT OF AN AUTOMATED CONSTRUCTION SYSTEM - AIMING FOR A DRAMATIC INCREASE IN PRODUCTIVITY AND SAFETY



SATORU MIURA
KAJIMA CORPORATION
Principle Researcher

PROMOTING SAFE DEVELOPMENT, DRIVING HIGH-QUALITY ENTERPRISE DEVELOPMENT



WANG JIAN
China Communications Construction Company Limited (CCCC), Vice President

IMPROVING SAFETY WHILE MINIMISING ENVIRONMENTAL IMPACTS: REASSESSING RADWASTE DISPOSAL



SUSIE HARDIE
Schwarz Hara Consult
Senior Scientific and Technical Consultant

LIFT-OSH: LEVERAGE INSTRUMENTS FOR OSH THROUGH SUPPLY CHAIN INITIATIVES IN THE CONSTRUCTION SECTOR



DIETMAR ELSLER
European Agency for Safety & Health at Work (EU-OSHA)
Project Manager | Prevention and Research Unit

VISION ZERO TOOLS USED AND DEVELOPED BY THE ISSA CONSTRUCTION SECTION



KARL-HEINZ NOETEL
ISSA Section on Prevention in the Construction Industry
President

KEY PERFORMANCE INDICATORS FOR INTEGRATING SAFETY, HEALTH AND WELLBEING IN CONSTRUCTION BUSINESS PROCESSES



PETE KINES
National Research Centre for the Working Environment
Senior Researcher, Safety Culture and Accidents

DIGITAL SOLUTIONS FOR CONSTRUCTION ON UNCERTAINTY SCENARIOS



JUAN MANUEL CRUZ
Acciona, S.A.
Industrial Relations, H&S and Sustainability Director

AN OPEN ERROR CULTURE: LEARNING OPPORTUNITY FOR COMPANIES



SABINE HERBST
German Social Accident Insurance (DGUV)
Dep. Section Manager Strategic Co-operation

DIGITIZING PDCA



PAUL GORDON HAINING
SKANSKA
Chief Environmental Health & Safety Officer

COMMITMENT IS KEY TO WELL-BEING



A H KHAN
Larsen & Toubro Limited
Vice President & Head – Operations (Mumbai)

MAY 11 SESSION M

HEALTH/HYGIENE/COVID19

CHAIR



RENE LEBLANC

International Occupational Hygiene Association (IOHA)
IOHA Past-President 2019-2020

SUB CHAIR



PETER JACOBS

International Occupational Hygiene Association (IOHA)
IOHA Past-President 2018-2019

SPEAKERS

Click speakers for their full speeches

SCALING UP EFFORTS FOR BUILDING HEALTH, SAFETY AND WELLBEING IN HEALTHCARE ESTABLISHMENTS



DOROTHY AMALECK NGAJILO
World Health Organization (WHO)
Occupational and Workplace Health Consultant

THE MULTIFACETED DIMENSIONS OF COVID-19 FROM CRISIS TO OPPORTUNITY



JOAQUIM PINTADO NUNES
International Labour Organization (ILO)
Labour Inspection and Occupational Safety and Health Branch, Officer in Charge

ZERO INJURIES, DISEASES AND DISORDERS AT WORK



JUKKA TAKALA
International Commission on Occupational Health (ICOH)
President

FIGHTING COVID 19: THE EXPERIENCE OF THE FIRST AFFECTED COUNTRY AFTER CHINA



WALTER RICCIARDI
World Federation of Public Health Associations (WFPHA)
President

A GLOBAL PERSPECTIVE ON OCCUPATIONAL HYGIENE: CURRENT AND FUTURE



PETER JACOBS
International Occupational Hygiene Association (IOHA)
Past-President 2018-2019

DEVELOPMENT OF NEW CHEMICAL MONITORING SYSTEMS IN THE WORKPLACE: REMOTE, REAL-TIME MONITORING SYSTEM AND SELF-MONITORING ASSISTANCE SYSTEM



DOOYONG PARK
Asian Network Occupational Hygiene (ANOH)
President

DIGITAL SOCIAL INNOVATION



AUDREY TANG
Public Digital Innovation Space (PDIS)
Digital Minister of Taiwan

THE RISE OF OCCUPATIONAL HYGIENE IN AFRICA: A CALL FOR MEANINGFUL COLLABORATION AMID COVID-19



NORMAN KHOZA
African Union Development Agency (AUDA)
Senior Program Officer

HOW CAN WE LEVERAGE COVID EXPERIENCE TO IMPROVE WORLDWIDE OCCUPATIONAL HEALTH AND SAFETY (OHS)



MEGUMI TESHIMA
International Council of Nurses (ICN)
Board Member
Professor, Graduate School of Nursing, Chiba University

USING A WORK SYSTEM APPROACH TO DESIGN SAFE AND HEALTHY WORK: INTEGRATING HUMAN FACTORS/ERGONOMICS PRINCIPLES



MAGGIE GRAF
International Ergonomics Association (IEA)
Vice President and Secretary General

L'ORÉAL









MR. ANTOINE VANLAEYS
L'Oréal S.A.
Chief Operations Officer & Member of the Executive Committee

DR. PHILIPPE DELBECQ
L'Oréal S.A.
Corporate Industrial Hygiene Toxicologist





SHIMIZU CORPORATION SHIMZ



MR. KAZUYUKI INOUE
SHIMIZU CORPORATION
President and Director

AMG PETRONAS FORMULA ONE TEAM





MR. STUART HUGHES
AMG PETRONAS FORMULA ONE TEAM
Head of Health and Safety





Mr. Toto Wolff
Team Principal & CEO of the Mercedes-AMG Petronas F1 Team

Safety Health Well-being VISION ZERO FOR ALL

MAY 12 SESSION D

FUTURE BUSINESS LEADERS: ACHIEVING HEALTHIER PERFORMANCE AND PRODUCTIVITY

CHAIR



ALAN STEVENS

Institution of Occupational Safety and Health (IOSH)
Head of Strategic Engagement

SUB CHAIR



MARIJANA ZIVKOVIC MTEGHA

Institution of Occupational Safety and Health (IOSH)
Strategic Engagement Manager

SPEAKERS

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TOPIC 1 - DRIVING OSH THROUGH CORPORATE GOVERNANCE AND SUSTAINABILITY PRINCIPLES: HOW DO WE INFLUENCE THE BOARDROOM?



GRIET CATTAERT
United Nations Global Compact
Head of Labour Rights at United Nations



KERRIE WARRING
International Corporate Governance Network (ICGN)
Chief Executive Officer



SAKON UDA
EBARA CORPORATION
Independent Director, Chairman of the Board of Directors
(Retired in March 2022)



SUSUMU AMANO
FUJITSU LTD.
Corporate Executive Officer, Head of Employee Success Unit



VANESSA HARWOOD-WHITCHER
Institution of Occupational Safety and Health (IOSH)
Chief Executive

TOPIC 2 - THE HEALTHY PROFIT: A BUSINESS CASE FOR OSH LEADERSHIP



DR. MOHAMMED AZMAN AZIZ MOHAMMED
Social Security Organization (SOCSO) of Malaysia
Chief Executive Officer (CEO)



MARTINA MACPHERSON
Oddo BHF Asset Management
Global Head of ESG Strategy



BUSOLA ALOFE
YF Talent Partners
Principal Partner



ROBYN BENNETT
New Zealand Institute of Safety Management (NZISM)
President

TOPIC 3 - SUPPLY CHAINS: THE ROLE OF MANAGEMENT AND LEADERSHIP IN MOVING TOWARDS VISION ZERO



OCKERT DUPPER
International Labour Organization Global - Vision Zero Fund
Programme Manager



FELIX NII TETTEY OKU
Asian Development Bank
Senior Social Development Specialist (Safeguards)



SITTICHOKE HUCKUNTOD
NIKE, Inc.
HSE Director



LESLEY KAVANAGH
NIKE, Inc.
Senior Director, Partner Responsibility



ARIF ZAMAN
Commonwealth Businesswomen's Network (CBWN)
Executive Director

TOPIC 4 - SAFE AND HEALTHY WORLD OF WORK: ADDRESSING THE CHALLENGES OF DISSEMINATION OF OSH RESOURCES TO ALL



DR IVAN IVANOV
World Health Organisation (WHO)
Head of Occupational and Workplace Health



LOUISE HOSKING
Institution of Occupational Safety and Health (IOSH)
President (2021-2022)



BERND TREICHEL
International Social Security Association (ISSA)
Senior Technical Specialist in Prevention and Social Security



RICHARD BATE
FIA Formula E World Championship
Principle HSE (OSH) Consultant

VISION ZERO PROACTIVE LEADING INDICATORS

CHAIR



BERND TREICHEL

International Social Security Association (ISSA)
Senior Technical Specialist in Prevention and Social Security

SUB CHAIR



TORU SUGIMOTO

Corporate HSE Manager
JGC HOLDINGS CORPORATION

SPEAKERS

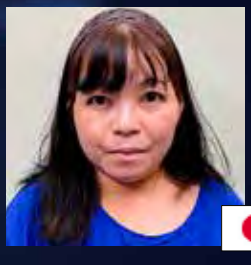
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THE VISION ZERO PROACTIVE LEADING INDICATORS  **GERARD ZWETSLOOT** Gerard Zwetsloot Research & Consultancy ISSA Vision Zero Indicator Project Research Team Leader	**VISION ZERO AT CEMENTOS PROGRESO**  **JOSÉ RAUL GONZÁLEZ** Cementos Progreso, S.A. Chief Executive Officer	**BENCHMARKING VISION ZERO IN CÔTE D'IVOIRE**  **YVES YÉBOUÉ KOUAMÉ** Caisse Nationale de Prévoyance Sociale (CNPS) Director of Prevention and Promotion
COMPANY EXAMPLES IN AUSTRALIA  **JILLIAN HAMILTON** MANAGE DAMAGE Managing Director	**VISION ZERO – THE AFRICAN EXPERIENCE**  **EHI IDEN** Occupational Safety and Health Africa Foundation (OSHAfrica) President	**VISION ZERO PROACTIVE LEADING INDICATORS AND THEIR APPLICATION IN THE CONSTRUCTION INDUSTRY**  **TORU SUGIMOTO** JGC HOLDINGS CORPORATION Corporate HSE Manager

SESSION Q

THINK OF HUMAN FACTORS - TOWARD THE REALIZATION OF A SAFE, SECURE AND WELL-BEING SOCIETY

CHAIR



RIEKO HOJO

National Institute of Occupational Safety and Health, Japan (JNIOSH)
Senior Researcher, Associate Professor

SPEAKERS

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COMMUNITY ENGAGEMENT AND RISK REDUCTION



MARILU MELO ZURITA
University of New South Wales (UNSW)
Senior Lecturer, PhD

FUNDAMENTALS OF BEHAVIOR BASED SAFETY (BBS)



CHRISTOPH BORDLEIN
University of Applied Sciences Würzburg-Schweinfurt (FHW-S), Professor

HUMAN FACTORS TO RENEW SAFETY



ANNA-MARIA TEPERI
Finnish Institute of Occupational Health (FIOH)
Research Professor

TASK ANALYSIS OF PHYSICAL THERAPIST DURING REHABILITATION FOR A PATIENT WEARING EXOSKELETON APPLICATION OF RISK ASSESSMENT IN MECHANICAL SAFETY



RIEKO HOJO
National Institute of Occupational Safety and Health, Japan (JNIOSH)
Senior Researcher, Associate Professor

NEW TECHNOLOGIES: INTEGRATION AND ACCEPTATION



LIÊN WIOLAND
Institut national de recherche et de sécurité (INRS)
Head of Studies

VISION ZERO PROACTIVE LEADING INDICATORS FOR WELL-BEING



PERNILLE THAU
Human House
Head of Department

ROBOTICS/COLLABORATIVE SAFETY

CHAIR



YOSHIHIRO NAKABO

National Institute of Advanced Industrial Science and Technology (AIST)
Senior Researcher

SPEAKERS

Click speakers for their full speeches

HUMAN BODY ELASTICITY: CORRIDORS AND LIMITS



JAN ZIMMERMANN
Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung (IFA), Section Manager: Principles, Methods and Software Solutions

HUMAN CENTERED COLLABORATION AND COOPERATION WITH ROBOTS IN THE FIELD OF MANUFACTURING FOR OUR FUTURE WORKS



KAZUTSUGU SUITA
TOYOTA MOTOR CORPORATION
Elemental Technology Development Project Manager

GETTING PAST THE HYPE CYCLE – TRENDS AND OUTLOOK FOR HUMAN-ROBOT COLLABORATION



JOSÉ SAENZ
FRAUNHOFER IFF
Business Unit Robotic Systems Group Leader

DISCUSSION ABOUT SAFETY OF MOBILE ROBOTS IN INDUSTRIAL APPLICATIONS



TIMO MALM
VTT Technical Research Centre of Finland (VTT)
Senior Scientist

THE "NEW NORMAL" - HOW NEW TECHNOLOGY ROBOTICS IMPROVE WORKER SAFETY AND LESSEN STRAINS THAT CAUSE ERGONOMIC INJURIES



ROBERTA NELSON SHEA
Universal Robots
Global Technical Compliance Officer

EXAMINATION OF RELIABILITY AND CONVENIENCE OF THE SAFEGUARDING SUPPORTIVE SYSTEM (SSS) – EXPERIMENTAL EVIDENCE AT A COMPANY



SHOKEN SHIMIZU
National Institute of Occupational Safety and Health, Japan (JNIOSH), Supervising Researcher

INTRODUCTION OF NEW TECHNOLOGIES THAT ACCELERATE COLLABORATIVE APPLICATION OF ROBOT SYSTEM - TO IMPROVE SAFETY, HEALTH AND WELL-BEING OF WORKERS -



TONY FUNAKI
IDEC CORPORATION
Vice President of Marketing (Product Marketing)

COLLABORATIVE ROBOT WITH EASE OF USE EVEN FOR FIRST-TIME ROBOT USERS



MASAHIRO MORIOKA
FANUC CORPORATION
ROBOT Business Division, ROBOT Mechanical Development Laboratory, Chief Engineer

COLLABORATIVE ROBOTICS: OCCUPATIONAL HEALTH AND SAFETY ISSUES



JEAN-CHRISTOPHE BLAISE
Institut national de recherche et de sécurité (INRS)
Work Equipment Engineering Division

THE WHY, WHAT, HOW AND WHEN OF HUMAN-ROBOT COLLABORATION



TOMAS LAGERBERG
ABB LTD.
Robotics Division and Robotics & Discrete Automation Business Area, Global Patent Officer

SAFETY OF COLLABORATIVE MACHINES - DISCUSSION ABOUT RISK MANAGEMENT -



HIROO KANAMARU
Mitsubishi Electric Corporation
Advanced Technology R&D Center,
Senior Engineer

FROM SAFETY FOCUSING ON ACCIDENT PREVENTION TO SAFETY THAT ALSO CONSIDERS PRODUCTIVITY



TAMIO TANIKAWA
National Institute of Advanced Industrial Science and Technology (AIST)
Deputy Director, Research Center Team Leader

PIONEERING THE FUTURE FOR OCCUPATIONAL SAFETY THROUGH WEARABLE CYBORG HAL - CYBERNICS: FUSION OF HUMANS, ROBOTS AND INFORMATION SYSTEMS -



YOSHIYUKI SANKAI
CYBERDYNE Inc.
President and CEO

TOLERANCE VALUES ACCEPTABLE FOR MINOR SKIN INJURIES



YOJI YAMADA
Nagoya University
Professor
ISO/TC299, JP Member

DEVELOPMENT OF COLLABORATIVELY WORKING ROBOTS (ROBO-CARRIER/ROBO-WELDER/ROBO-BUDDY) FOR CONSTRUCTION SITES AND SAFETY



MASAHIRO INDO
SHIMIZU CORPORATION
Construction Technology, Robot ICT
Senior Managing Officer, General Manager

Safety Health Well-being VISION ZERO FOR ALL

SAFETY, HEALTH AND WELL-BEING ACTIVITIES IN MANUFACTURING SITES

CHAIR



SHOKEN SHIMIZU

National Institute of Occupational Safety and Health, Japan (JNIOSH)
Supervising Researcher

SUB CHAIRS



RIEKO HOJO

National Institute of Occupational Safety and Health, Japan (JNIOSH),
Senior Researcher, Associate Professor



JILLIAN HAMILTON

MANAGE DAMAGE
Managing Director

SPEAKERS

Click speakers for their full speeches

OCCUPATIONAL SAFETY AND HEALTH MANAGEMENT IN THE AGC GROUP



SHIGEKUNI INOUE
AGC Inc.
Senior Executive Officer, GM of EHSQ General Div.,
GM of AGC Yokohama Technical Center

SAFETY FOR WORKERS IS THE BASIS OF THE NEW SOCIAL VALUES WELL-BEING



PROFESSOR DR. MASAO MUKAIDONO
Institute of Global Safety Promotion (IGSAP)
Chairman of Vision Zero Summit 2022 Japan Organizing Committee (JOC)

JAPAN'S UNIQUE OSHMS STANDARD THAT INCORPORATES ISO 45001



SHINGO SAITO
Japan Industrial Safety and Health Association (JISHA)
Chief Certification Officer/ Director

NIPPON STEEL SIX SAFETY RULES



TOURU SHUMIYA
NIPPON STEEL CORPORATION
Head of Safety Promotion Department

SAFETY IN CONSTRUCTION BUSINESS AS A CORPORATE PHILOSOPHY



ANDREAS MAINKA
Mainka Bau GmbH & Co. KG
Owner / Managing Director

ROAD CONSTRUCTION SAFETY INNOVATION IN JAPAN



HISASHI AITA
NIPPO CORPORATION
Production Development Centre, General Engineering Department, General Manager

EMERGING HEALTH AND SAFETY RISKS AT THE WORKPLACE BY 2030



JOHAN VAN MIDDELAAR
TNO
Senior Consultant Health and Safety

BUILDING A SAFETY CULTURE IN IDEC



KOJI AKAMATSU
IDEC CORPORATION
Senior Executive Officer in Charge of Manufacturing & SCM

DAIWA HOUSE IS PROMOTING SAFETY2.0 AND PHYSICAL SAFETY MEASURES TO CREATE VISION ZERO TOMORROW



TOMOHITO MORI
DAIWA HOUSE INDUSTRY CO.,LTD.
Safety Management Department, Chief

BEHAVIOR BASED SAFETY AS PART OF PREVENTION CULTURE



LENKA ADAMICKOVA
Bosch Rexroth AG
Department of Safety and Environment Lohr HSE-Lo
Specialist Engineer in BBS

EFFECTS OF 3-POSITION ENABLING SWITCH USED FOR ROBOT TEACH ON WELL-BEING OF WORKER UNDER MAN-MACHINE COLLABORATIVE SYSTEM



RIEKO HOJO
National Institute of Occupational Safety and Health, Japan (JNIOSH),
Senior Researcher, Associate Professor

SAIPEM'S 15 YEARS OF JOURNEY TO VISION ZERO



DAVIDE SCOTTI
The LHS Foundation
General Secretary

WORKSHOPPING TO PREVENT OCCUPATIONAL ILL HEALTH IN CONSTRUCTION



ANTTI LEINO (MATTI PALOMÄKI, PEER PRESENTER)
Skanska Finland
Health, Safety, Environment, Business Unit,
Vice President

CURRENT STATUS OF HEALTH AND SAFETY IN JAPAN - INITIATIVE TO RISK ASSESSMENT



HIDEO KAMAISHI
Ministry of Health, Labour and Welfare (MHLW)
Labour Standards Bureau, Industrial Safety and Health Department, Safety Division, Director

SESSION N

MAY 12

WELL-BEING AND SDGs

CHAIR



SADAO TAKEDA
Institute of Global Safety Promotion (IGSAP), Director

SUB CHAIRS



STAVROULA LEKA
University of Nottingham
Emeritus Professor of Work & Health Policy



MANAL AZZI
International Labour Organization
Managing Director, Senior Occupational Safety and Health Expert



LARS TORNVIG
DANISH VISION ZERO COUNCIL
Director and Host

SPEAKERS

Click speakers for their full speeches

WELL-BEING AND MANAGEMENT



TAKASHI MAENO
Keio University
Graduate School of System Design and Management
Professor

PRIORITIZING PEOPLE - EFFICIENCY AND ENGAGEMENT FROM SOCIAL SUSTAINABILITY



PIRJO VIRTANEN
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Environmental Sustainability
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IMPROVING EMPLOYEES WELL-BEING TO MAKE HOME THE HAPPIEST PLACE IN THE WORLD



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Diversity and Inclusion Promotion Department
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WELL-BEING AND SUSTAINABILITY IN THE FUTURE OF WORK



STAVROULA LEKA
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Emeritus Professor of Work & Health Policy

WELL-BEING AT WORK



IVAN D. IVANOV, MD, PHD
World Health Organization (WHO)
WHO Headquarters
Head, Occupational and Workplace Health

CORPORATE CULTURE/ WELL-BEING/INNOVATION



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Group Managing Executive Officer
Chief Well-being Officer

IMPROVING EMPLOYEES WELLBEING THROUGH ORGANISATIONAL INTERVENTIONS



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"THE PROSPEROUS FUTURE" TO BE PURSUED BEYOND INNOVATION



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New Energy and Industrial Technology Development Organization (NEDO), Digital Innovation Unit
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SDGS AND VALUE TRANSFORMATION (VX)



KAZUO TASE
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ORGANISATIONAL ANCHORING OF EMPLOYEE MENTAL WELL-BEING AND STRESS PREVENTION



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WELL-BEING AND SDG 8-DECENT WORK



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INTERNATIONAL STANDARDIZATION OF WELL-BEING(HEALTH) MANAGEMENT AT ORGANIZATIONS



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Social Health Strategy Research Institute (SHSRI)
Representative Director

VISION ZERO IS NOT A MATER OF AGE - NEXT LEVEL SAFETY IS MORE SUSTAINABLE WHEN IT IS FUN -



PHILIPPE DELBECQ
L'Oréal S.A.
Corporate Industrial Hygiene Toxicologist

TRENDS AND MOVEMENTS OF SUSTAINABLE LEADERSHIP AND VISION ZERO WELL-BEING IN DANISH ORGANIZATIONS



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BUILDING OSH CAPACITY THROUGH HIGHER EDUCATION, ONLINE LEARNING, AND CREDENTIALING

CHAIR



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Finnish Institute of Occupational Health (FIOH)
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THOMAS FULLER

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RIIKKA RUOTSALA

Finnish Institute of Occupational Health (FIOH)
Researcher

SPEAKERS

Click speakers for their full speeches

OVERVIEW OF COLLABORATIVE INTERNATIONAL EDUCATION, TRAINING, AND CREDENTIALING PROJECTS TO BUILD GLOBAL OSH CAPACITY



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VISION ZERO COMPETENCE DEVELOPMENT MODEL AND ITS COMPONENTS



HELMUT EHNES
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GLOBAL COLLABORATION FOR OCCUPATIONAL HEALTH & SAFETY EDUCATION: THE ROLE OF VOLUNTEERS AND NGOS



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BUILDING GLOBAL OHS CAPACITY THROUGH GRASSROOTS COLLABORATION



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EMPOWERMENT FOR GOOD WORK AND SUSTAINABLE BUSINESS THROUGH HIGHER EDUCATION



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STANDARD AND EVOLVING APPROACHES TO OSH TRAINING AT OMRON



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HSE TRAINING STRATEGY IN A CHANGING WORLD



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HOW TO MAKE A DIFFERENCE? THE IMPACT AND EVALUATION OF OSH TRAINING



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IOHA - NATIONAL ACCREDITATION RECOGNITION SCHEME REDUCING THE GLOBAL BURDEN OF OCCUPATIONAL DISEASE



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CEO SHOULD TAKE LEADERSHIP ON "SAFETY HEALTH AND WELLBEING" - IMPLEMENTATION OF THE E-LEARNING AND QUALIFICATION SYSTEM FOR THE TOP MANAGEMENT AND THE RESULTS IN MORE THAN EIGHTY JAPANESE COMPANIES



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STRUCTURING OF KNOWLEDGE MANAGEMENT FOR INDUSTRIAL SAFETY



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SUB CHAIR



ATSUKO SARUHASHI

Japanese Industrial Standards Committee (JISC)
ISO TMB Member

SPEAKERS

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BRAVE NEW WORLD - EXPECTATION TO STANDARDIZATION DEVELOPMENT ORGANIZATIONS (SDOS) ON OSH LEADING TO SAFETY, HEALTH AND WELLBEING



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CHALLENGE OF CREATING THE IEC'S WHITE PAPER "SAFETY IN THE FUTURE"



KAZUHIKO TSUTSUMI
International Electrotechnical Commission (IEC)
Vice President & Chair of Market Strategy Board (MSB)

IEC GENERAL STANDARDIZATION POLICY & STRATEGY TO SUPPORT THE SMARTER SOCIETY



RALPH SPORER
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Vice President

SAFETY IN CONTEXT OF THE UN SDGS



VIMAL MAHENDRU
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IEC Special Envoy for UN SDGs

IEC WHITE PAPER "SAFETY IN THE FUTURE" OPENS THE WAY TO INTERNATIONAL STANDARDIZATION ACTIVITIES FOR SAFETY, HEALTH AND WELL-BEING



MASAO DOHI
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ACOS JP Member

A HOLISTIC SAFETY APPROACH



KOJI DEMACHI
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TRADE FACILITATION MECHANISMS BASED ON THE INTERNATIONAL STANDARDS AND THEIR CONFORMITY ASSESSMENT



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International Organization for Standardization (ISO)
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PSYCHOLOGICAL HEALTH AND SAFETY AT WORK: MANAGING PSYCHOSOCIAL RISK



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ISO/CASCO ACTIVITIES FOR THE CREDIBILITY OF CONFORMITY ASSESSMENTS



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SAFETY IN THE FUTURE, CONFORMITY ASSESSMENT FOR TOMORROW



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VISION BASED MARKET SOLUTIONS



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IEC'S GLOBAL APPROACH TO CERTIFYING COMPETENCE OF PERSONS IN THE EX SECTOR



CHRIS AGIUS
IEC-IECEX
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EX SCHEME IMPLEMENTATION - PETRONAS EXPERIENCES



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INNOVATION FOR SAFETY AND ANSHIN



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Specially Appointed Professor

VISION ZERO FOR ALL

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EUROPEAN APPROACH TO AI STANDARDIZATION IN SUPPORT OF THE EU REGULATION



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SAFETY THROUGH SYSTEMS USING ARTIFICIAL INTELLIGENCE



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AI AND DIGITIZATION FOR MEDICAL ELECTRICAL EQUIPMENT AND SOFTWARE AS A MEDICAL DEVICE FOCUS - SAFETY



REGINA GEIERHOFER
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INTRODUCTION TO AI GOVERNANCE IN JAPAN



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MACHINE LEARINING QUALITY MANAGEMENT GUIDELINE



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SHARED AUTONOMY FOR DEPENDABLE HUMAN ROBOT INTERACTIONS



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ARTIFICIAL INTELLIGENCE AND THE OCCUPATIONAL HEALTH PRACTITIONER



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THE RISK EVOLUTION, DETECTION, EVALUATION, AND CONTROL OF ACCIDENTS (REDECA) FRAMEWORK



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AI AND THE FUTURE OF SOCIETY -- FROM THE PERSPECTIVES OF THE AIRC



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AI Research Center (AIRC), Director

CHALLENGES FOR AI QUALITY AT IBM



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IBM Distinguished Engineer

DRIVING THE DIGITAL SHIFT - NEC'S DX INITIATIVES -



TOSHIFUMI YOSHIZAKI
NEC Corporation
Executive Vice President, Digital Business Platform Unit, President

SOCIAL IMPLEMENTATION WITH TRUSTED AI TECHNOLOGIES



HIROKAZU ANAI
Fujitsu Limited
Artificial Intelligence Laboratory
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HITACHI'S AI ETHICS CONCEPT AND USECASES OF SAFE AND SECURE ENVIRONMENT



TATSUHIKO KAGEHIRO
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CLIMATE CHANGE AND BIOLOGICAL HAZARDS



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PESTICIDES IN AGRICULTURE



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SAFE, SUSTAINABLE AND ENVIRONMENTALY FRIENDLY AGRICULTURE



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Top Farms sp. z o.o.
Chief Executive Officer

ERGONOMICS - EXOSKELETONS IN AGRICULTURE



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KUBOTA'S INITIATIVES ON SMART AGRICULTURE



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ARTIFICIAL INTELLIGENCE IN AGRICULTURE - RESEARCH, DEVELOPMENT AND DIFFUSION OF TECHNOLOGIES AIMING ZERO ACCIDENT IN AGRICULTURE IN NARO



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SUICIDE PREVENTION PLAN FOR FARMERS IN FRANCE



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WELLBEING APPROACH UNDER SEPARATE SOCIAL INSURANCE SYSTEMS FOR FARMERS



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EARLY INTERVENTION AND A HOLISTIC APPROACH TO SUPPORT FARMERS' WORK ABILITY IN FINLAND



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Farmers' Social Insurance Institution of Finland (Mela)
Director

STRATEGIES TO IMPROVE OCCUPATIONAL SAFETY IN DAIKICH FARM



EMI OHYOSHI
daikichi farm
President

PESTISAFE; A TOOL FOR PREVENTIVE PESTICIDE RISK ASSESSMENT IN AGRICULTURE



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University of Milan
Associate Professor of Occupational Health

EXPERT IN THE DISCUSSION PANEL OF THE AGRICULTURE SESSION



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Social Security Organisation of Malaysia (SOCSO)
CEO / Director General

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HANS-HORST KONKOLEWSKY

International ORP Foundation (FIORP), President



AZLAN DARUS

Social Security Organisation of Malaysia (SOCSO)
Head of Prevention

SPEAKERS

Click speakers for their full speeches

VISION ZERO – SAFETY, HEALTH AND WELLBEING AT WORK



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NATIONAL VISION ZERO STRATEGIES IN ASIA - STRATEGY TO PROMOTE VISION ZERO IN HONG KONG



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NATIONAL STRATEGY FOR VISION ZERO - THE MALAYSIAN EXPERIENCE



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ABOUT JAPAN'S THE ZERO -ACCIDENT TOTAL PARTICIPATION CAMPAIGN



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STRATÉGIE NATIONALE DE PROMOTION DE VISION ZÉRO: CAS DU GABON



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THE ZERO VISION APPROACH IN THE EU CONTEXT



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European Commission (EC)
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A GLOBAL STRATEGY BROUGHT TO LIFE



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THE NATIONAL STRATEGY VISION ZERO TOWARDS A CULTURE OF PREVENTION IN OCCUPATIONAL HEALTH AND SAFETY IN LUXEMBOURG



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Prevention Department
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TOTAL WORKER HEALTH® STRATEGIES TO PROMOTE SAFER, HEALTHIER AND MORE FULFILLING WORK



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NEXT GENERATION PREVENTION



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President of the Board of Directors

VISION ZERO WHITE PAPER



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VZF GLOBAL PROGRAMME MANAGER



MR. JOAQUIM PINTADO NUNES
INTERNATIONAL LABOUR ORGANIZATION (ILO)
OFFICER IN CHARGE, LABOUR INSPECTION AND OCCUPATIONAL SAFETY AND HEALTH BRANCH

"(Vision Zero) goes beyond avoiding work -related accidents and diseases and asks for the promotion of wellbeing at work in all its physical and mental dimensions"

"In any country and any organization, private or public, vision zero is only possible through a process of involvement and collaboration of a diversity of actors in the construction of a positive culture of prevention, and in particular governments, employers, and workers."



MR. ALAN STEVENS
INSTITUTION OF OCCUPATIONAL SAFETY AND HEALTH (IOSH)
HEAD OF STRATEGIC ENGAGEMENT



MR. RENE LEBLANC
INTERNATIONAL OCCUPATIONAL HYGIENE ASSOCIATION (IOHA)
IOHA PAST-PRESIDENT 2020



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MR. HANS-HORST KONKOLEWSKY
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PRESIDENT

EXPO2025 OSAKA, KANSAI, JAPAN PRESENTATION

Designing Future Society for Our Lives

Schedule: 184 days from April 13 to October 13, 2025
Venue: Yumeshima, Osaka
Projected visitors: Approx. 28.2 million

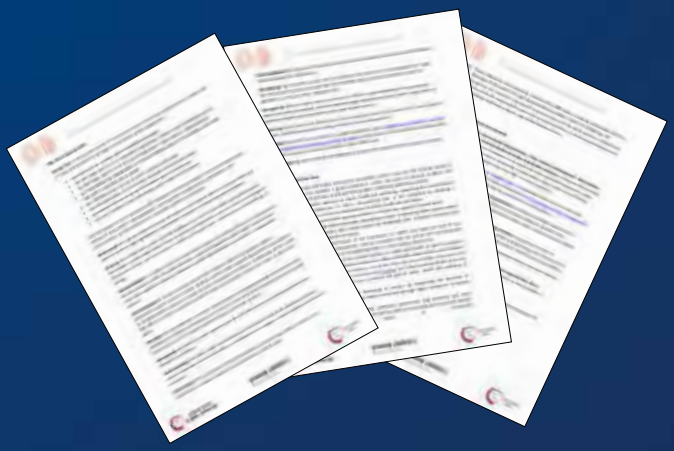






Mr. Yoshimasa Sakai
DIRECTOR GENERAL
MOMENTUM FOSTERING BUREAU
JAPAN ASSOCIATION FOR THE 2025 WORLD EXPO

TOKYO DECLARATION ON VISION ZERO FOR ALL





DR. TOSHIHIRO FUJITA
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23rd WORLD CONGRESS ON SAFETY AND HEALTH AT WORK @SYDNEY PRESENTATION

23rd World Congress on
Safety and Health at Work
Sydney 2023

Proudly presented by
International Labour Organization
issa
NSW GOVERNMENT



MS. SKYE BUATAVA
Director, SafeWork NSW



Tokyo Declaration Full Text

The Vision Zero Summit,

Having met on the occasion of the 2nd Vision Zero Summit, which was held from 11 to 13 May 2022

in Tokyo and streamed to all regions of the world, jointly organized by

- the INSTITUTE OF GLOBAL SAFETY PROMOTION (IGSAP)
- the NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY (AIST)
- the NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH, JAPAN (JNIOSH)
- the TASK GROUP OF VISION ZERO AT THE ENTERPRISE LEVEL OF THE GLOBAL COALITION FOR SAFETY AND HEALTH AT WORK
- the INTERNATIONAL SOCIAL SECURITY ASSOCIATION (ISSA)
- the INTERNATIONAL OCCUPATIONAL HYGIENE ASSOCIATION (IOHA)
- the FINNISH INSTITUTE OF OCCUPATIONAL HEALTH (FIOH) and
- the INSTITUTION FOR OCCUPATIONAL SAFETY AND HEALTH (IOSH)

with the support of the International ORP Foundation and the participation of senior professionals,

employers' and workers' representatives, social security representatives, policymakers and administrators, as well as Vision Zero companies, partners and trainers;

Welcoming the progress achieved through international and national efforts to improve safety and health at work through digitalization, robotization, voluntary initiatives and standardization;

Noticing that collaborative safety, artificial intelligence, as well as information and communication technologies provide viable opportunities to develop and implement new prevention-technologies in all economic sectors, and in particular in sectors such as agriculture, construction, manufacturing, or mining;

Acknowledging the resilience of national occupational safety and health systems and national social security systems in times of a global pandemic, which had triggered a public health and economic crisis, with a significant impact on businesses, public administrations and workers' compensation systems;

Acknowledging the serious consequences of work-related accidents and diseases, which is estimated to lead to around 2.9 million fatalities and 90 million disability-adjusted life years (DALYs), to be attributable to exposure to range of major occupational risk factors. Additionally, there's some 402 million non-fatal occupational accidents each year (resulting in more than 4 days of absence of work).

Recalling that the protection of workers, the promotion of occupational safety and health and the prevention of accidents and diseases at work are core elements of the International Social Security Association and of the Global Coalition for Safety and Health at Work;

Recognizing that with the proper approach and the right efforts every occupational accident and disease is preventable;

Understanding that safety, health and well-being are the primary duty at the workplace of every person exercising a professional activity, including workers, managers, business leaders and the selfemployed;

Reiterating that the protection of the environment is a societal responsibility, wherein each government, company, employee and consumer has a role to play;

Acknowledging the importance of gender mainstreaming and gender impact assessments through promoting equality in prevention;

Recognizing that the ability to cope with occupational risks depends, to a very great extent, upon the training that has been provided and that therefore, young workers constitute a high-risk population, as they are often inexperienced;

Recognizing the role of governments to ensure an effective implementation of the appropriate health and safety framework, and the leadership large companies can play in their supply chain, in small and midsize enterprise (SME) and in their market sectors;

Referring to the Vision Zero White Paper, issued during the Vision Zero Summit 2022, which outlines a multi-stakeholder approach to safety, health and well-being at work;

Recalling the call for the promotion of a global prevention culture (2008 Seoul Declaration and 2011 Istanbul Declaration on Safety and Health at Work) and the launch of the Vision Zero strategy during the World Congress on Safety and Health at Work (2017); and

Reaffirming that safety, health and wellbeing at work are the responsibility of society as a whole

Declares that Vision Zero

1. Is a strategy and holistic mindset for prevention, which is built on the common desire to promote and establish a global prevention culture, and aims at reducing accidents and occupational diseases, and at promoting safety, health and well-being at work;
2. Is a participatory approach to safety, health and well-being, supporting the transformative journey in enterprises to reduce occupational risks in the workplace by pledging a commitment to continuous development to safety, health and well-being;
3. Promotes safe and healthy working conditions as important aspects of Decent Work;
4. Contributes to the 2030 Sustainable Development Goals, in particular SDG 8 (Decent Work and Economic Growth), SDG 3 (Good Health and Wellbeing), SDG 4 (Quality Education) and SDG 17 (Partnerships for the Goals);
5. Supports the implementation of the instruments on safety and health at work of the International Labour Organization, such as Conventions No 155 and No 187 and of the ISSA professional Guidelines on Occupational Risks for social security institutions;
6. Supports the objective of the Global Coalition on Safety and Health at Work to generate practical strategies to common occupational safety and health opportunities and challenges;
7. Provides practical tools and solutions, such as the Vision Zero Seven Golden Rules Guide, the Proactive Leading Indicator Guide and the 5Z Culture, the Collective Action Model of the ILO Vision Zero Fund, or other tools to achieve the goal of safety, health and wellbeing at enterprise level;
8. Promotes safety, health and well-being of workers by recognizing the potential of Collaborative Safety that can be further enhanced through digital connection of people, machines and the environment;
9. Has a positive impact on working conditions, productivity and economic and social development by improving safety and health at work and in promoting the economic benefits of prevention (return on prevention);
10. Fosters education and e-learning, training and qualification, as well as consultation and the exchange of information through good practices on safety, health and wellbeing; and
11. Recognizes the important role played by governments and the social partners, professional safety and health organizations and social security institutions in promoting prevention and in providing treatment, support, and rehabilitation services;

Now therefore the Vision Zero Summit

Calls upon Governments, International Organisations, Trade Unions and Employers' Associations, Social Security Institutions, and Occupational Safety and Health Institutes to promote the principle of prevention in their legislative frameworks, in occupational safety and health regulations, guides and action plans, and to take the lead in promoting a preventative safety, health and well-being culture at work and in society, placing Vision Zero high on national agendas;

Calls upon Companies to adhere to the 7 Golden Rules, to implement Vision Zero into their OSH management systems in line with the principles provided by the ILO Guidelines on OSH management systems, risk assessment strategies, and to lead by example when doing business;

Calls upon Environmental and Public Health Organisations to develop sustainable approaches to promote the workers' health & safety as part of the environmental protection policies within organizations and businesses, as to reduce the occupational safety, health, and environment (OSHE) impact of products or services.

Calls upon Schools, Universities and Vocational Training Providers to promote a culture of prevention from school to workplace by including safety, health and well-being in all curricula and in everyday school and campus life to safeguard the health and safety of students and young workers.

Call upon large, small and midsize enterprises to consider Occupational Safety and Health, like the protection of the Environment, as an investment.

Calls upon individuals, workers and employers, businesses, voluntary organizations, local authorities, and regional and national Governments to commit themselves to the principles of Vision Zero as a way of doing business, and as a guiding principle in life.

The Vision Zero Summit participants commit to report about progress towards these objectives at subsequent Vision Zero Summits.

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METI Ministry of Economy, Trade and Industry

MLIT Ministry of Land, Infrastructure and Transport

一般社団法人 日本ロボット工業会 Japan Robot Association

NECA NIPPON ELECTRIC CONTROL EQUIPMENT INDUSTRIES ASSOCIATION

JSA Standards that connect the world. JAPANESE STANDARDS ASSOCIATION

JISHA 中災防 Japan Industrial Safety & Health Association

FBIA Fine Bubble Industries Association

日経BP総合研究所

NIKKEI

IAPC IEC Activities Promotion Committee of Japan

JTA

けんざいきょう Japan Construction Material & Housing Equipment Industries Federation

日刊工業新聞社 The Nikkan Kogyo Shimbun

NARO National Agriculture and Food Research Organization

岡山大学 OKAYAMA UNIVERSITY

eigopop

建災防

ICOH

ORP INTERNATIONAL FOUNDATION

GLOBAL VISION ZERO BUSINESS COUNCIL

ENETOSH

European Agency for Safety and Health at Work

IALI

Basi German Federal Association for Occupational Safety and Health

ASIA PACIFIC OCCUPATIONAL SAFETY & HEALTH ORGANIZATION

IEC

Safety Governance Foundation

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IDEC----------IDEC CORPORATION
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Global Coalition for Safety & Health at Work

Safety Health Well-being

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