



**ICOH**  
International Commission on Occupational Health

# NEWSLETTER



**CIST**  
Commission Internationale de la Santé au Travail

Volume 20 · Number 1  
May 2022

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## Message from the President



Dear colleagues,

It seems that COVID-19, which unexpectedly challenged our physical network as occupational professionals, is slowly retreating. After the Midterm meeting in February 2020 in Rome brought Officers, Board members, and Chairs and Secretaries of the Scientific Committees together, meetings could not be organized in person due to the pandemic. However, the online meetings brought us together virtually to share our experiences in occupational health. The General Assembly was held online at the ICOH2022 Congress; although I gave the inaugural address at the meeting, this message is my first chance to greet all ICOH members using the newsletter.

First, I would like to express my sincere gratitude to all ICOH members for supporting my Presidency for the Triennium 2022-2024. I joined ICOH in 1992 and since then, I have worked in different Scientific Committees. During the last 12 years, I have served as a Board member and Vice President for the National Secretaries. Through the regional and national occupational health conferences, I have communicated with many members to promote ICOH activities at the national, regional, and global levels.

### Global occupational health

I joined occupational health in 1989 after my clinical training. When I worked as an occupational physician in the 1990s, working conditions in Korea were not good enough to protect workers' health. Some workers suffered from diseases with unidentified causes. My main task was to perform epidemiologic investigations in diverse workplaces to determine the possible causes of these diseases. Many of these investigations were conducted in other developed countries. As the Korean economy grew, bad working conditions disappeared. It did not take me long to realize that

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Occupational Health**CIST**Commission Internationale de la  
Santé au Travail

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Volume 20 · Number 1 · May 2022

### ICOH Newsletter

Published by the International Commission  
on Occupational Health

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The Newsletter can be accessed at the following  
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asp](https://www.icohweb.org/site/newsletter.asp)

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among ICOH members.

those jobs had moved to other Asian countries. In this globalized world, no country can survive without trading goods with other countries. This means that the things we use every day can be made by workers from any part of the world, exposed to various occupational risks. As we have seen during COVID-19, the world is highly connected against our will. This is the reason why occupational professionals should work together.

There is nothing unimportant when it comes to occupational health and safety; however, preserving human lives is arguably the most important aspect. Therefore, deaths due to occupational accidents and diseases must be reduced. According to WHO, deaths due to occupational risk factors are particularly high among people living in the Western Pacific and South-East Asia populations of older working age, and men. Globally, exposure to risk factors at work causes almost two million premature deaths per year, most being due to long working hours (750,000), air pollution, gases, fumes (450,000), and injuries (360,000). These deaths can be prevented by reducing working hours, removing hazardous substances, and controlling the work environment.

### Strategies

When I started working in occupational medicine, all problems arose from physical hazards, such as dust, noise, chemicals, and biological agents. We believed that occupational diseases were caused by external factors. However, as the economy grew, workers started complaining about different types of diseases. In Korea, cerebrovascular and cardiovascular diseases have been claimed to be work-related diseases caused by occupational stress or long working hours. Most medical professionals learn and believe that these diseases develop due to personal factors, such as aging, degeneration, and lifestyle. This can be referred to as disease caused by the external environment.

In the case of cardiovascular diseases, occupational factors have not been generally accepted as the cause, although one of the risk factors is known to be stress. The Supreme Court decided that those diseases could be accepted as work-related diseases for compensation, if there was any probability of an association. In 1994, Korean government established diagnostic criteria for cerebro-cardiovascular diseases as compensable work-related diseases. Since then, many preventive efforts have been made in occupational health society in Korea. Many deaths due to cerebro-cardiovascular diseases during working age can be prevented by reducing working hours, re-organizing work structure and culture, and controlling lifestyle diseases. Hence, these diseases are aggravated by the internal environment.

Over several decades, occupational health has developed hand-in-hand with the Korean economy. Yet, many occupational issues continue to be raised, especially in high-tech industries that use many chemicals. The causes of these issues are not yet clear owing to the limited follow-up time and lack of appropriate studies. These problems are exacerbated by the insufficiency of the social security system because rare or serious diseases bring a large economic and social burden on the workers. The ultimate goal of occupational health is to provide an environment free from diseases, income loss, unemployment and retirement to all workers. Occupational health cannot be achieved by completing the social security system in a country. This can be referred to as a disease according to the social environment.

These three phases of occupational health differ from country to country. However, occupational risks have spread throughout the globalized world. Therefore, we must consider working conditions beyond our country or region. The current occupational health situation of the world is a problem that should be solved together by occupational health professionals. Therefore, I suggest that the Presidential Strategy for the Triennium 2022-2024 should be “Global Responsibility for Workers’ Health”.

Jorma Rantanen, the President from 2003-2009, emphasized the importance of Basic Occupational Health Services. This strategy contributed to the world by establishing a fundamental service for workers exposed to occupational hazards. Kazutaka Kogi, the President from 2009-2015 proposed the occupational health service. The theme was adopted as the Seoul Statement that contributed to improving workers’ health and safety, not only from workplace hazards but also from lifestyle diseases. Jukka Takala, the President from 2015-2022 emphasized the significance of occupational cancer. This motivated many countries to ban or remove occupational carcinogens from the workplace.

Currently, we live in one interconnected world. Anything that occurs in some part of the world can spread quickly to other parts of the world. Most developed countries have overcome traditional occupational hazards, which can

be considered as Phase 1 occupational health. However, these hazards have not disappear from the earth, instead they now harass naïve workers in other parts of the world who do not have a choice of selecting a job for survival. We must work together to improve working conditions for everyone because occupational health is a human right.

### Work within/with relevant organizations

To achieve the Presidential Strategy, I would like to work more closely with professional societies or associations, and the national or public institutes of occupational health in a country. They are members of ICOH as affiliate or sustaining memberships. Many OSH institutes have contributed to improving global occupational health. However, owing to the economic constraints of the world, they focus on local rather than global issues. Although understandable, occupational health professionals should work closely because occupational risks have already tied the world as one. As the President of ICOH, I would like to ask leaders of public institutes or societies to open their eyes wider to protect global workers, as they have done in the past several decades.

### Collaborations with international organizations

ICOH is an official non-state partner with WHO and has a close relationship with the ILO. ICOH has provided valuable scientific evidence to these two major international organizations to protect workers’ health and safety. ILO would like to elevate occupational safety and health to the status of a fundamental human right. WHO has included ICOH as a non-state actor for collaborations for a long time. WHO’s priorities are to develop a global framework for healthier, safer, and more resilient workplaces; to stimulate the development of OSH programs; and to have a global network through WHO-collaborating centers.

ICOH also works closely with sister organizations such as the International Occupational Hygiene Association (IOHA), International Ergonomic Association (IEA), and International Association of Labour Inspection (IALI). We will continue to collaborate with them as we have done previously.

## Qatar Issue

The FIFA World Cup 2022 is coming soon. Ever since Qatar won the bid to host this global sports event, there has been considerable construction work to build stadia and infrastructure. This work has attracted many migrant workers, especially from South-East Asia. During the second General Assembly of the ICOH2015 Congress in Seoul, some members raised concerns about the possible occupational deaths of migrant workers in Qatar. ICOH adopted this issue and sent a letter to the Qatar government. The Secretary General Sergio Iavicoli attended the Occupational Health Meeting held in Qatar. The main issue for migrant workers, mostly from Nepal and India, was death or diseases (chronic kidney disease) caused by heat stroke in residential conditions. Occupational injury deaths were very rare, but most migrant workers who came from relatively colder countries suffered from terrible heat stress in the Middle East. They were not well adapted to the hot environment. ICOH pressed the Qatar government to improve the living and working conditions of migrant workers, which had further been exacerbated by the Kafala system of monitoring migrant labourers. Qatar has improved these conditions now.

Before the ICOH2022 Congress, the Scientific Committee on Thermal Factors (SCTF), chaired by Jason Lee Kai Wei, raised this issue again based on reports from the UK media, which stated that there have been many occupational fatalities and diseases in Qatar while preparing for the 2022 World Cup. The SCTF proposed an ICOH Statement on the occupational health issues in Qatar. The first ICOH Board meeting after the ICOH2022 Congress discussed this issue and decided to expand it to include the health of the migrant workers on a larger scale. The deaths of migrant workers are not limited to the preparation for the 2022 World Cup in Qatar. They are common in many host countries, and they occur not only in working conditions but also in general living conditions. The Board decided to prepare an ICOH Statement for migrant workers. The task was assigned to the Working Group on the Future of Decent Work led by Paul Schulte and its sub-committee on Migrant Workers

led by Acran Salmen-Navarro, with the mandate to also collaborate with the relevant Scientific Committees, including SCTF. The draft of the ICOH Statement for Migrant Workers has been circulated to relevant experts within ICOH. It will be approved by the Board and declared as an ICOH Statement. As the President, I appreciate all the experts for their contribution toward the Statement.

## ICOH2024 Congress - Marrakesh

Many countries have overcome the COVID-19 outbreak. International travel will revert back to normal soon. Although we organized a wonderful online Congress, we also recognize the importance of meeting in person to communicate among members and other scientists. The 34<sup>th</sup> ICOH Congress will be held on 28 April - 3 May 2024, in Morocco. Please mark your calendar to save the date.

## Members' activities

Many international conferences will be organized by the 37 Scientific Committees. As an ICOH member, please select THREE Scientific Committees which align with your interest or expertise. Communication within Scientific Committees is fundamental to the function of ICOH. Also, please stay connected with the National Secretary in your country/area. The National Secretary is the representative of ICOH in your country/area.

ICOH has a fantastic website ([icohweb.org](http://icohweb.org)), which is managed by the Secretariat. Members can access valuable information in the Private Area. You can log in with your registered email address and your membership code (password). Please visit the website frequently to obtain more information about ICOH and its activities.

1 April 2022

**Prof. Seong-Kyu Kang**  
President of ICOH



## News from the Secretary General

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Dear ICOH members,

As it is the first time for me to write this message in my capacity as newly elected Secretary-General, I would like to introduce myself.

My name is Diana Gagliardi. I am a medical researcher at the Italian Workers' Compensation Authority (INAIL), where I coordinate the Unit on international research networks. I have been a member of ICOH since 2009 and served as Secretary (2009-2015) and Chair (2015-2021) of the ICOH Scientific Committee on Occupational Health and Development. I was the Chair of the Organizing Committee of the ICOH2022 Digital Congress.

On 10 February 2022, I took office as the new Secretary-General of ICOH.

I am delighted to be able to succeed Sergio Iavicoli in this important role at such a crucial time in our profession. Under his leadership, ICOH has been very active in advocacy activities and policy advising, collaborating with partner organizations around the world, including WHO and ILO.

We are really focused on building on this solid foundation in the years to come and I look forward to working closely with ICOH members to achieve further progress.

I would like to take this opportunity to thank all ICOH members who participated in the ICOH2022 Digital Congress on February 6-10, 2022. The Digital Congress was a great success, with over 1400 participants from 98 countries. With the start of this new term, we have recently launched the ICOH membership renewal campaign. Members receive individual communications from the ICOH Secretariat with all instructions and forms for payment of their membership fee for the 2021-2023 period. Online payment options are also available in the

Private Area of the ICOH website.

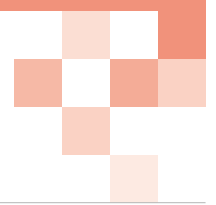
The membership renewal campaign was planned to start in 2021, but it was postponed following the one-year postponement of the ICOH Congress to 2022.

We look forward to your participation in ICOH activities. For further information, please contact the ICOH Secretariat at [icoh@inail.it](mailto:icoh@inail.it).

**Dr. Diana Gagliardi**  
ICOH Secretary General



## Message from the Editor



Dear ICOH members,

From the current issue, I will serve as the Editor-in-Chief of the ICOH Newsletter. My name is Won-Jun Choi, and I am a medical doctor and professor at Gachon University College of Medicine, Republic of Korea. It is my honor to hold this position, and I am very happy to share news from all around the world with our members. I would like to express my gratitude to Eun-A Kim, the former Editor-in-Chief, and the members of the editorial office for their hard work over the past seven years. Also, I would like to thank Alexis Descatha and his colleagues for the French translation.

In the current issue, you can find a report on the ICOH2022 Congress and Members' Activities. The ICOH Newsletter is always open to all members. Please share interesting stories with other members.

The ICOH Newsletter will only be published in the electronic version from this issue. The newsletter will be sent via e-mail, so please ensure that your e-mail address is correct. Please make any changes to your e-mail address(es) by communicating with the Editorial Office (icohnewsletter@gachon.ac.kr [OR] wjchoi@gachon.ac.kr) or the ICOH Secretariat (icoh@inail.it). Also, you can change your e-mail address directly, using the Private Area of the website. The newsletter can also be accessed through the ICOH website (<https://www.icohweb.org/site/newsletter.asp>).

Although the pandemic is slowly fading away, many people around the world are still suffering from COVID-19 and related problems. We wish the best for the safety and health of our members and the workers.

**Prof. Won-Jun Choi**  
Editor-in-Chief, ICOH Newsletter

### The editorial planning of the ICOH Newsletter

The editorial plans for the remainder of 2022 are as follows:

- Number 2: 1st August  
(deadline for article submission: end of June)
- Number 3: 1st December  
(deadline for article submission: end of October)



# Report on the ICOH2022 Congress

## 33<sup>rd</sup> International Congress on Occupational Health (ICOH2022)

Claudina Nogueira

ICOH Vice President: Scientific Committees (2018-2024) and Scientific Co-Chair of the ICOH2022 Congress; Occupational Health consultant/Project Manager - Faculty of Health Sciences, University of Pretoria (South Africa); SASOM ExCo member; and WHWB Board member. E-mail: [claudinanogueira@hotmail.com](mailto:claudinanogueira@hotmail.com)



International Commission  
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ICOH 2022  
33<sup>rd</sup> International Congress  
on Occupational Health

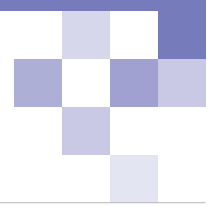
## Introduction to the ICOH2022 Congress

ICOH2022 - the Melbourne - Rome Digital Congress of the International Commission on Occupational Health (ICOH) - themed 'Sharing solutions in occupational health through and beyond the pandemic', was held in a fully virtual format, from 6 to 10 February 2022. Initially planned to be held onsite in Melbourne, Australia in March 2021, and then postponed for one year, the Congress was eventually transitioned into a virtual format during the second half of 2021, due to the ongoing global COVID-19 pandemic. ICOH is grateful to its scientific committees (SCs), working groups (WGs) and members for their valuable contributions and ongoing commitment and dedication to occupational health, to ensure the sustainability and continuity of the ICOH Congress in trying times. The Congress organisers (ICOH, supported by the Australian Organising Committee members and Monash University, and working in close collaboration

with the professional congress organiser, 'The Triumph') endeavoured to preserve the flavour of the traditional ICOH triennial congresses, while addressing the space, time and cost constraints related to the transition to a fully virtual format within a short timeframe of a few months. The Congress was run through a visually rich digital platform, recreating the environment of an in-presence congress. The platform accommodated all sessions and main events that are included in the traditional ICOH congress format, for which the ICOH SCs and WGs are the main contributors. The digital format ensured wider accessibility, giving the global occupational safety and health (OSH) community ample opportunity to attend; this novel approach was particularly beneficial for participants from low - and middle-income countries (LMICs). Participants had '24/7' on-demand access to all sessions and content via the Congress digital platform, which offered a high-level experience in terms of scientific content and interaction, with networking and engagement opportunities. Live broadcasting was organised for plenary sessions and the Global Policy Forum on two stages, taking into account different time zones ('Rome stage' and 'Melbourne stage'). Semi-plenary sessions provided the opportunity for a live discussion at the end of each session, while special sessions, and oral free paper and interactive e-poster sessions were available on-demand at any time during the Congress, and until 3 March 2022. The recordings of all sessions are now available to registered congress participants on a different platform for four months (affording participants the opportunity to watch all the sessions at their leisure and convenience). Thereafter, the sessions will be archived in the ICOH congress repository.

During the extended past triennium (four years instead of three, due to the impact of the pandemic), the SCs and WGs contributed extensively and enthusiastically to the development of the scientific content of the Congress in various ways, e.g. by recommending plenary and

# Report on the ICOH2022 Congress



semi-plenary speakers, sourcing presenters, organising special sessions, and providing reviewers for the abstracts submitted to free paper session topics as oral or e-poster presentations. The Congress organisers endeavoured to grant at least one special session to all SCs and WGs that submitted proposals, and preference was given to special sessions organised, collaboratively, by more than one SC and/or WG and/or other entity.

A handful of special sessions was organised and presented by external (non-ICOH) organisations, in some cases in collaboration with ICOH SCs, e.g. Asian Ban Asbestos Network (ABAN); Child Labour in Agriculture, Food and Agriculture Organization of the United Nations (FAO); European Union of Medical Specialists (UEMS); International Consortium on Occupational Health and Safety in Fishing, Aquaculture and Seafood Processing; International Occupational Medicine Society Collaborative (IOMSC); Nordic Future of Work and OSH Group; Partnership for European Research on Occupational Safety and Health (PEROSH); Workplace Health Without Borders (WHWB - International); and the World Health Organization (WHO).

The special sessions spanned a wide and diverse range of topics. Some examples are listed below:

- Preventing tuberculosis and lung disease with silica dust controls: The case for primary prevention
- Indoor air quality in modern office buildings
- Strategies to address the increasing burden of occupational skin cancer
- The other pandemic: Mental health issues facing health workers during the COVID-19 crisis
- Occupational health in disaster management, response, research and preparedness
- Policy approaches to psychosocial risks at work
- Recovering from work: What to do (and not to do) during off-job times
- Immunotoxicology in workplaces: Prevention, early detection, and treatment
- Stress, sleep, cardiovascular autonomic disorders, and health promotion
- Occupational safety and health strategies for engineered nanomaterials: A model for emerging technologies
- Updates on protections against infectious agents in healthcare
- Biorisk management in the workplace: Beyond the tick box
- Effects of pesticides and dusts
- Climate change, workplace heat, and occupational health and productivity
- New realities for the health of working women in the new normal
- Best practices of training experts in occupational health
- New challenges to professional ethics in occupational health
- Critical issues in the future of decent work
- Supporting a breakthrough against child labour and hazardous work in agriculture
- Young workers: Our future workforce needs OSH attention now!
- Migrant workers' health: Solutions to empower and inspire change
- How the collaborative work of an international occupational health charity changes the face of occupational health around the globe
- Systematic reviews and meta-analyses on exposure to long working hours for the WHO/ILO Joint Estimates of the Work-related Burden of Disease and Injury

## Fast facts on the ICOH2022 Congress

- Around 1 400 participants
- 98 countries from six continents represented (Table 1)



# Report on the ICOH2022 Congress

**Table 1. Geographical distribution of ICOH2022 Congress participants**

| Continent     | No. registered participants |
|---------------|-----------------------------|
| Africa        | 115                         |
| Asia          | 457                         |
| Europe        | 526                         |
| North America | 117                         |
| Oceania       | 74                          |
| South America | 71                          |

- Registration fee waivers granted to 107 presenters (ICOH members in good standing) from LMICs
- One opening keynote address
- 11 plenary presentations
- 23 semi-plenary presentations
- Global Policy Forum - ‘Work as a key dimension of the COVID-19 pandemic: Sharing experiences and solutions in occupational health - prediction, prevention and preparedness for emergencies at work with special reference to the risk of pandemics’
- 56 special sessions (reduced from an initial 85) with 223 presentations
- 146 oral presentations and 581 e-posters across 38 free paper session topics (Table 2 shows the ten most popular topics) - the topics were the names of the 37 SCs, plus an extra topic, viz. ‘Occupational Health and COVID-19’

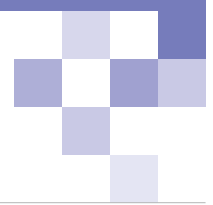
**Table 2. Ten most popular free paper session topics**

| Topic   | No. accepted abstracts* |
|---|-------------------------|
| Occupational Health and COVID-19<br>(three oral sessions)         | 146                     |
| Occupational Health for Health Workers<br>(two oral sessions)     | 66                      |
| Epidemiology in Occupational Health<br>(two oral sessions)        | 62                      |
| Musculoskeletal Disorders<br>(two oral sessions)                  | 61                      |
| Work Organisation and Psychosocial Factors<br>(two oral sessions) | 60                      |
| Occupational Medicine   | 47                      |
| Education and Training in Occupational Health                     | 38                      |
| Work Disability Prevention and Integration                        | 33                      |
| Occupational Health and Development                               | 30                      |
| Effectiveness in Occupational Health Services                     | 27                      |
| Total   | 570                     |

\* oral and e-poster

- An active programme focused on early- and mid-career delegates, viz. 54 e-posters submitted to the student poster competition - three winners and five runners-up (Table 3).

# Report on the ICOH2022 Congress



**Table 3. Winners of the student poster competition**

| Prize, name, country   | Title of poster   |
|--|---|
| <b>First</b><br>Vijay Prince,<br>India                             | Assessing intrinsic exposures to toxic heavy metals in a cohort of adult women in an urban metropolitan city in India                               |
| <b>Second</b><br>Karina Udem,<br>Norway                            | Gender differences in the impact of work exposures on age of withdrawal from paid employment among older workers                                    |
| <b>Third</b><br>David Fauser,<br>Germany                           | Single-item work ability score as a predictor of rehabilitation and disability pensions: A German longitudinal study among employees with back pain |
| <b>Runner-up</b><br>Achmad Ilham<br>Tohari, et al.,<br>Indonesia   | The correlation between occupational pesticide exposure with the incidence of COPD and chronic bronchitis: A systematic review and meta-analysis    |
| <b>Runner-up</b><br>Yu-Yu Lin, et al.,<br>Chinese Taipei           | Low-dose radiation exposure and risk of pancreatic cancer among workers at nuclear power plants: A meta-analysis                                    |
| <b>Runner-up</b><br>Evida Poopedi,<br>et al., South Africa         | Potential occupational exposure to respiratory and gastrointestinal bacterial pathogens at wastewater treatment plants, South Africa                |
| <b>Runner-up</b><br>Muhammad Yuda<br>Nugraha, et al.,<br>Indonesia | Neonate mortality rate and differences in characteristics of birth in rural and urban regions of an agricultural area, Jember, Indonesia            |
| <b>Runner-up</b><br>Merve Demirci<br>Atik, et al., Turkey          | Which jobs are lucky against the 'biologic' and 'economic' risks caused by the COVID-19 pandemic?   |

- 19 applications were received for the ILO Master Fellowship - two winners:
  - Sunisa Chaiklieng (Thailand)
  - José Luis Calderón-Mafud (Mexico)
- Best poster as voted for by the Congress participants:
  - Amar Kapadia *et al.* (India): Before and after study to reduce chemical exposure and noise level exposure through CASHE (Change Agents for Safety, Health & Environment) programme at a large-scale petrochemical industry
- 115+ hours of scientific content (403 presentations across all sessions)

- ICOH2022 was accredited by the European Accreditation Council for Continuing Medical Education (EACCME®)- 12 European CME credits
- Accepted abstracts were published as open access ICOH2022 Congress Proceedings in an online supplement of Safety and Health at Work, SH@W (Saf Health Work 2022; 13:S1-S332), one of the key international journals in its field and part of the Elsevier Group (<https://www.sciencedirect.com/journal/safety-and-health-at-work/vol/13/suppl/S>)
- ICOH2022 Congress sponsors:
  - WorkSafe Victoria (Gold Sponsor)
  - Safe Work Australia
  - Japan Society for Occupational Health
- ICOH2022 Congress exhibitors:
  - ICOH2027 venue bid committees - Mumbai (India), Barcelona (Spain), and Medellin (Colombia). The winner was Mumbai, India
- Global partnership for the ICOH2022 Congress:
  - ICOH
  - INAIL - The National Institute for Insurance against Accidents at Work (*Istituto nazionale per l'assicurazione contro gli infortuni sul lavoro*, Italy)
  - Monash University, School of Public Health and Preventive Medicine (Melbourne, Australia)
  - Gachon University, Republic of Korea

## ICOH2022 Congress Opening Ceremony

The Opening Ceremony was held on Sunday 6 February 2022 as a live-streamed event. Welcome messages were delivered by the three congress co-presidents - Dr. Jukka Takala (ICOH President), Prof. Sergio Iavicoli (ICOH Secretary General), and Prof. Malcolm Sim (Monash University, Australia). Congratulatory addresses were delivered by national authorities, United Nations agencies and sister organisations, represented by the following invited dignitaries, mostly in pre-recorded video format:

- Roberto Speranza, Minister of Health, Italy



# Report on the ICOH2022 Congress

- Colin Radford, WorkSafe Victoria, Australia
- Guy Ryder, Director General, International Labour Organization (ILO)
- Tedros Adhanom Ghebreyesus, Director General, WHO
- Marcelo Abi-Ramia Caetano, Secretary General, International Social Security Association (ISSA)
- Siong Hin Ho, President, International Association for Labour Inspection (IALI)
- José Orlando Gomes, President, International Ergonomics Association (IEA)
- Thomas P Fuller, Past-President, International Occupational Hygiene Association (IOHA) - live feed
- Approval of the minutes of the previous General Assembly in Dublin, Ireland, in 2018
- President's Report - Dr. Jukka Takala
- Report on ICOH Scientific Committees - Ms. Claudina Nogueira, Vice President
- Report on ICOH National Secretaries - Prof. Seong-Kyu Kang, Vice President
- Secretary General's Report - Prof. Sergio Iavicoli
- The ICOH Triennium Report (2018-2021/2022) - available on the ICOH website (<http://www.ICOHweb.org/site/news-detail.asp?id=213>)
- Amendments to the ICOH Constitution
- Results of the elections of ICOH Officers and Board members for the new triennium (2022-2024). The incumbents are balanced in terms of gender and geographical regions.

Dr. Kazutaka Kogi (Japan), ICOH President 2009-2015, was honoured with the ICOH Lifetime Achievement Award in recognition of his longstanding commitment, dedication, and support to the ICOH community. An active ICOH member since the 1960s, during his presidency, Dr. Kogi emphasised the following ICOH priorities: i) advancing proactive risk assessment and control at work, ii) extending occupational health services to all workers, and (iii) developing action-oriented ICOH toolkits. He also worked with the ICOH Board on the update of the International Code of Ethics for Occupational Health Professionals, which was revised in 2012 as the third edition.

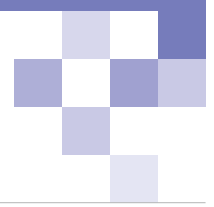
The opening keynote address was delivered by Sir Michael Marmot (University College, UK) who presented a paper on health inequities in the workplace: 'Build back fairer: Work and employment and social determinants of health'.

## First ICOH General Assembly

The opening ceremony was followed by the First ICOH General Assembly, which was attended by ICOH members in good standing only; it included the following presentations and topics of discussion:

- Opening address - ICOH President, Dr. Jukka Takala
- Venue for the ICOH2027 Congress (presentations by bid committees and voting procedure). Congratulations to Mumbai, India, for winning the bid to host the ICOH Congress on its third attempt!
- Award of Honorary ICOH membership was bestowed

# Report on the ICOH2022 Congress



on Prof. Jorma Rantanen, Finland (ICOH President for two terms, 2003-2009), and Dr. Kent Anger (USA), in recognition of their distinguished contribution to global occupational health.

## ICOH2022 Congress Global Policy Forum

The Global Policy Forum, titled ‘Work as a key dimension of the COVID-19 pandemic: Sharing experiences and solutions in occupational health - prediction, prevention and preparedness for emergencies at work with special reference to the risk of pandemics’ was live-streamed on Tuesday, 8 February 2022. The main thrust of the Forum was the discussion of practical implementation of policies and strategies, and the translation of research and expert knowledge into effective practice, to improve prediction, prevention and preparedness for possible future pandemics and other emergencies. The Forum discussion drew from lessons learned from experiences during the COVID-19 pandemic and other major emergencies and outcomes in working populations. Strategies were formulated for priority actions and programmes for a better future world of work. The Forum was chaired by Dr. Jukka Takala (ICOH President) and consisted of the following panellists:

- ILO: Joaquim Pintado Nunes, Chief of Labour Administration and Occupational Safety and Health
- WHO: Dr. Ivan Ivanov, Head: Occupational and Workplace Health
- Latin America: Dr. Julietta Rodriguez Guzmán, Pan American Health Organization (PAHO, until Oct 2021)
- Oceania and the Pacific: Prof. Margaret Hellard, Deputy Director of the Burnet Institute, Melbourne, Australia
- Asia: Prof. Luong Mai Anh, Ministry of Health, Vietnam
- Africa: Dr. Spo Kgalamono, Executive Director, National Institute for Occupational Health (NIOH), South Africa
- Europe: Prof. Sergio Iavicoli, Ministry of Health, Italy

## ICOH2022 Congress Plenary and Semi-Plenary Presentations

The following plenary and semi-plenary presentations were delivered from 7 to 10 February 2022 (in alphabetical order of presenter names):

### *Plenary Presentations*

- Paul Blanc, University of California San Francisco, USA: ‘The past as prologue: How the history of occupational illness and injury teaches us about today’
- Hanifa Denny, Diponegoro University, Indonesia: ‘Effectiveness of basic occupational health services in the informal sector’
- Frida Marina Fischer, University of São Paulo, Brazil: ‘Impact of the 24-hour work cycle on worker health and safety’
- Lin Fritschi, Curtin University, Australia: ‘Occupational cancer: Future opportunities and challenges’
- Margaret Kitt, National Institute for Occupational Safety and Health (NIOSH), USA: ‘Emerging workplace health and safety threats: Has the pandemic changed the trajectory?’
- Franklin Muchiri, ILO, Switzerland and Kenya: ‘Preventing infectious diseases in the workplace’
- Karen Nieuwenhuijsen, Coronel Institute, Amsterdam Universitair Medische Centrum (UMC), The Netherlands: ‘Mental health, sickness absence prevention and return to work’
- Doo Yong Park, Korean Occupational Safety and Health Agency (KOSHA), Republic of Korea: ‘Occupational health: Challenges and solutions in the COVID-19 era’
- Frank Pega, WHO, Switzerland and New Zealand: ‘The new WHO/ILO Joint Estimates of the Work-related Burden of Disease and Injury’
- Jorma Rantanen, Finnish Institute for Occupational Health (FIOH), Finland: ‘Globalisation and the implications for worker health’



# Report on the ICOH2022 Congress

- Alistair Woodward, University of Auckland, New Zealand: ‘Worker health and safety in a changing climate’

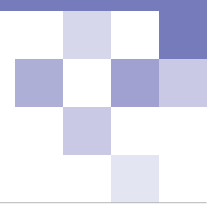
## *Semi-Plenary Presentations*

- Lisa M Brosseau, USA: ‘What kind of mask should workers and the public wear for an aerosol-transmissible infectious disease?’
- Edith Essie Clarke, Ghana: ‘Health care waste management and occupational health: Who cares for the carer?’
- Elizabeth Costa Dias, Brazil: ‘Basic health care/family and workers’ health programmes performed by occupational health professionals among vulnerable populations’
- AM Caroline Crosse, Australia: ‘Employment of people with mental illness: Challenges and solutions’
- Rocío de Diego-Cordero, Spain: ‘Occupational health in migrant workers: What are the issues?’
- Perry Gottesfeld, USA: ‘Actions needed to address tuberculosis risks among health workers and silica-exposed trades’
- Tee L Guidotti, USA: ‘Reconciling epidemiological and toxicological data: Some general principles and the example of firefighters’
- Rima R Habib, Lebanon: ‘Child labour in conflict settings’
- Adolfo Hernández, Argentina: ‘The challenge of ensuring business sustainability during outbreaks’
- Irene Houtman, The Netherlands: ‘Psychosocial risks, their management and the use of linked surveys’
- Ryan Hoy, Australia: ‘Artificial stone and a new epidemic of silica-related diseases’
- Ehi Iden, Nigeria: OSH regulations and enforcement: Comparison between LMICs and high-income countries’
- Ivan Ivanov, Switzerland: ‘Lessons learned for global occupational health from the COVID-19 pandemic and building forward better’
- Jeong-Ok Kong, Republic of Korea: ‘The role and activities of public interest NGOs in promoting OSH’
- Peter Leggat, Australia: ‘The complex interface between occupational health, public health and travel medicine’
- Rajen N Naidoo, South Africa: ‘Occupational health and safety for small-scale enterprises and the informal sector (in southern Africa)’
- Sharon K Parker, Australia: ‘The future of work: Emerging risks and opportunities for health and well-being’
- Nina Rubtsova, Russian Federation: ‘The development of mobile communication systems and human health risks’
- Shrinivas Shanbhag, India: ‘Occupational Health: Adding value to business’
- Akizumi Tsutsumi, Japan: ‘Preventing overwork-related disorders ‘Karoshi’’
- Orrapan Untimanon, Thailand: ‘Basic Occupational Health Services in Thailand: An example for others?’
- Ari Väänänen, Finland: ‘How mental health became a problem? The transition of working life and “workership”’
- Sun Xin, PR China: ‘Reform of the occupational health authority in China and its perspectives’

## ICOH2022 Congress Closing Ceremony

The Closing Ceremony was live-streamed on Thursday 10 February 2022. The three congress co-presidents presented overall highlights for the ICOH2022 Congress, and Dr. Jukka Takala presented highlights and take-home messages from the Global Policy Forum. This was followed by highlights of the scientific programme, presented by the two congress Scientific Co-Chairs: Dr. Deborah Glass (Monash University, Australia) and Ms. Claudina Nogueira (ICOH Vice President for Scientific Committees, South Africa). Dr. Diana Gagliardi (INAIL, Italy), newly appointed ICOH Secretary General and chair of the organising committee of the Congress, gave a vote of thanks to all individuals and teams that were involved with the planning, organisation and successful execution of the ICOH2022 Congress. The awards for the winners of the student poster competition, the ILO Master Fellowships, and the best congress poster were

# Report on the ICOH2022 Congress



announced by Mr Garrett Burnett, Dr. Diana Gagliardi and Dr. Deborah Glass, respectively. Dr. Marilyn Fingerhut and Mr Garrett Burnett (both from NIOSH, USA) were responsible for the organisation and logistics of the student poster competition. Before the official closing by the outgoing ICOH President, Dr. Jukka Takala, the ICOH flag was passed, virtually, from Prof. Malcolm Sim to Prof. Abdeljalil El Kholti, President of the ICOH2024 Congress to be held in Marrakesh, Morocco, from 28 April to 3 May 2024 (hopefully as an onsite congress) with the theme 'Enhancing occupational health research and practices: Closing the gaps!' (<https://www.ICOH2024.ma/>) Save the date!

## Second ICOH General Assembly

The closing ceremony was followed by the Second ICOH General Assembly, which was attended by ICOH members in good standing only; it included the following presentations and events:

- Opening address by the newly elected ICOH President, Prof. Seong-Kyu Kang
- Farewell to ICOH Officers and Board members of the previous triennium 2018-2022, and respective service awards
- A special tribute to Prof. Sergio Iavicoli, outgoing ICOH Secretary General, who served efficiently, effectively, expertly and passionately in this post for 19 years (2003 to 2022), and will continue to be a member of the ICOH Board
- Report from the scrutineers' committee of the elections of the ICOH Officers and Board members for 2022-2024
- President's address and strategy for 2022-2024
- Inaugural address of the newly elected ICOH Secretary-General, Dr. Diana Gagliardi
- Bid results of the vote for the venue of the ICOH2027 Congress

## ICOH Board meetings associated with the ICOH2022 Congress

The ICOH Officers and Board meetings were held virtually prior to the ICOH2022 Congress (3 and 4 February 2022 for the previous Board), and on 23 and 28 February 2022 for the newly appointed ICOH Officers and Board, respectively.



**Virtual reality**- The ICOH2022 Congress offered registered participants a visually-rich digital platform, recreating the environment of an in-presence congress. The platform accommodated all sessions and main events that are included in the traditional ICOH congress format



**Minding the gaps**-Dr. Spo Kgalamono (NIOH, South Africa) presented 'Training, information and research needs in Africa' at the ICOH2022 Global Policy Forum

## Report on the ICOH2022 Congress

| Country                | Members |
|------------------------|---------|
| 1) India               | 194     |
| 2) USA                 | 122     |
| 3) Japan               | 114     |
| 4) Italy               | 112     |
| 5) Brazil              | 92      |
| 6) Australia           | 70      |
| 7) South Africa        | 69      |
| 8) Peru                | 66      |
| 9) Mexico              | 62      |
| 10) Finland            | 55      |
| 11) The Netherlands    | 45      |
| 11) Indonesia          | 45      |
| 13) France             | 44      |
| 14) Philippines        | 41      |
| 14) Russian Federation | 41      |

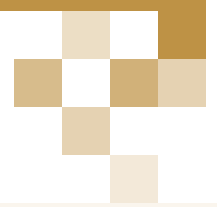
**Numbers tell a story**-The 14 countries with the most ICOH members indicate that there is a good balance between developed and developing countries (presented by Prof. Sergio Iavicoli, ICOH Secretary General).



**Congratulations and celebrations**-The ICOH Lifetime Achievement award was bestowed on Dr. Kazutaka Kogi (Japan), who served two terms as ICOH President (2009 -2015), in recognition of his longstanding commitment, dedication and support to the ICOH community

*Photographs (screenshots), congress statistics, and approval for the use of the ICOH and ICOH2022 Congress logos: courtesy of ICOH and 'The Triumph'*

# COVID-19 across borders



## COVID-19 ACROSS BORDERS EFFECT ON DEVELOPING COUNTRIES

One of the many ways to achieve sustainable economic growth in developing countries, is to reduce non-communicable diseases, by adopting global health and safety standards locally. With COVID-19 travelling across borders, the need for global health and safety standards has been accelerated by the World Health Organization, as it strives to control the spread of this communicable disease.

Non-communicable diseases such as diabetes, high blood pressure, obesity, and mental health illness are very prevalent in developing countries like Jamaica. In order for developing countries to achieve global health and safety standards locally, the United Nations decent work agenda will have to focus on occupational health and safety as an economic driver.

Small and medium sized businesses in many developing countries that are players in the global supply chain, supply the inputs to create the goods and services for multinational companies based in developed countries. These companies' countries would have existing health and safety legislation that usually implies a structured, coordinated national program to treat non-communicable diseases.

It is generally perceived that healthy and safe workers are more likely to be more productive at work. Therefore, for developing countries, accessibility to national health and life insurance for workers in small and medium sized businesses can positively impact productivity. In the long term, the gross domestic product of developing countries will also be impacted positively.

COVID-19 has greatly impacted the freedom of traveling across borders, and the way business is now being done. The implication for the changing world of work in occupational health and safety, is that, as an economic driver, international collaboration is needed to support developing countries' national programs to achieve sustainable growth and development.

Janice Green, CSP

International Commission on Occupational Health (ICOH)  
National Secretary for Jamaica





# Members' Activity

## Activities of Scientific Committees

### OCCUPATIONAL HEALTH IN THE CHEMICAL INDUSTRY

Outgoing Chair Dr. Murray Coombs

Outgoing Secretary Dr. Adriaan Combrinck

Contact MEDICHEM: Sonja Pedro-medichem@sasom.org

SC report back

During the ICOH2022 Congress in February, the SC on Occupational Health in the Chemical Industry (SC OHCI) collaborated with MEDICHEM.

The joint Special Session titled "Responsible Care and Corporate Citizenship" included the following session introduction and presentations:

"The Chemical Industry's support for Sustainability - a universal call to action to end poverty, protect the planet, and ensure that by 2030 all people enjoy peace and prosperity will be enhanced if we build onto the successes of the Responsible Care and Corporate S38 Safe Health Work 2022;13:S1eS86 Citizenship (RCCC) programmes within the governance structures of the chemical industry. Ultimately for the chemical sector to flourish it must balance social, economic and environmental sustainability."

- Will sustainability drive improvements in RCCC - Green Chemistry?
- COVID-19 Response and Health and Safety Challenges/Solutions in the Agriscience Sector
- Handling of highly active pharmaceutical ingredients and intermediates in the pharmaceutical industry
- Occupational health challenges in developing countries in the chemical and other sectors and opportunity for

OH capacity building using e-learning

- Overview on OH surveillance in the chemical industry supporting RCCC

A 90-minute webinar is planned for the 4th April on Sustainability in the Chemical Sector.

Calling on all ICOH members to join SC OHCI



Calling on all ICOH SC OHCI members to collaborate in particular in toxicology, chemicals, epidemiology, and history of Occupational Health for the MEDICHEM 2022-34<sup>th</sup> International Congress Dresden-50<sup>th</sup> Anniversary. Please put a place holder for the date of 30<sup>th</sup> Aug to 2<sup>nd</sup> Sept 2022.

We are also calling for nominations for the Chair of the SC OHCI.

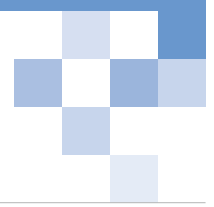
### ALLERGY AND IMMUNOTOXICOLOGY

Prof. Claudia Petrarca (Chieti, Italy)

Prof. Hiroo Wada (Tokyo, Japan)

The Allergy and Immunotoxicology Scientific Committee has been a well-consolidated committee of ICOH for a long time. Prof. Kanehisa Morimoto, a former esteemed

## Members' Activity



chairperson, passed away on 10<sup>th</sup> August, 2021. His academic achievements in the broad domains of health sciences and practice and his ground-breaking roadmap from the conceptualization of the National Health Index to the materialization of the Japan Centre for Disease Control (Japan CDC) deserve special mention. We dearly miss Prof. Morimoto and his drive for the future.

More recently, Prof. Mario Di Gioacchino of University G. d'Annunzio Chieti-Pescara (Italy) and Prof. Takemi Otsuki of Kawasaki Medical University have been esteemed Chairpersons, both of whom are strongly active in research on the immunotoxicity of nano/fibrous/particulate matters and in the editorial dissemination of the acquired knowledge among international committee members through a two-year editorial project addressed toward occupational health professionals and trainees.

Prof. Claudia Petrarca (Italy) was also involved in these studies and in the editorial work as an occupational toxicologist. She was appointed Secretary for the 2015-2018 triennium and, later, Chair in 2019. In the same year, Prof. Hiroo Wada (Japan) was elected Secretary. Together, they have led the scientific committee during the COVID-19 pandemic until now.

An MOU has been signed between the University of Chieti and Juntendo University of Tokyo for the new triennium (2022-2024) collaborate and disseminate knowledge, to train young physicians who are undergoing the specialization course in Occupational Medicine and Public Health and Epidemiology (Occupational Health/Environmental Health/Occupational Hygiene/Occupational Toxicology) as well as professional fellows interested in learning about environmental and occupational exposure to promote awareness of potentially harmful industrial/agricultural substances, their dissemination in the living environment, potential biomarkers of exposure and immune-mediated pathogenesis of occupational diseases.

Our aim is to contribute to the understanding and management of new xenobiotics and emerging diseases.

The Japanese group of committee members attended the 77<sup>th</sup> meeting for Japanese AITSC members at the 93<sup>rd</sup> conference of the Japanese Society for Occupational Health (JSOH) 2020 in Asahikawa, Japan. The workshop was organized by Prof. Takehiko Yoshida (Asahikawa Medical University) and co-organized by Chair Prof. Yasuo Morimoto (University of Occupational and Environmental Health, Japan). Among the speakers were Kazuhiko Kakuta (Kakuta Kodomo & Allergy Clinic), Atsushi Ueda (East Asian Health Promotion Network), and our Secretary, Prof. Hiroo Wada (Juntendo University). Although the workshop was organized during the COVID-19 pandemic and the city of Asahikawa was locked down, an online meeting was set up with as many as 100 audience members. To explore a new approach in the field of allergy and immunotoxicology, we discussed the common mechanism of allergic and immunotoxicological reactions to environmental exposure in various organs. We believe that the meeting was successful in terms of the number of attendees and the advancement of concepts. The following papers were published by workshop participants in special issues of peer-reviewed journals, as indicated: Tsunoda K. *Jpn J Ind Health*. 2020; 62 (Suppl),226; Morimoto Y, Nishida C, Tomonaga T, Izumi H. *Jpn J Ind Health*. 2020; 62 (Suppl), 227; Ueda A. *Jpn J Ind Health*. 2020; 62 (Suppl), 228; Wada H. *Jpn J Ind Health*. 2020; 62 (Suppl) 229.

Another workshop was organized as the initial workshop of a planned series "Preventive and clinical medicine based on research and practice in allergy & immunotoxicology," based on the 77<sup>th</sup> meeting for Japanese AITSC members. We are currently planning an annual workshop series. In its first year, as many as 100 audience members joined, suggesting that our project was well-recognized



## Members' Activity

and supported by many researchers, practitioners, and medics. Therefore, we rated our workshop as successful and impactful.

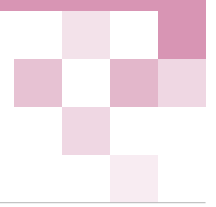
As collaborations and products from January 2020 to February 2022, the Allergy and Immunotoxicology Scientific Committee has been engaged in the publication of an eBook on different topics of expertise. The eBook was edited by former Chairpersons, esteemed Prof. Takemi Otsuki and Prof. Mario Di Gioacchino, and co-edited by Prof. Claudia Petrarca, former Secretary, currently covering the role of Chair. The eBook was successfully published with valuable contributions from other committee members, as well as experts in these fields. The eBook was published in the series “*Current Topics in Environmental Health and Preventive Medicine*” with the title “*Allergy and Immunotoxicology in Occupational Health-The Next Step*” meaning that this is our second joint publication. This book presents a collection of the latest clinical and research findings in the field of allergy and immunotoxicology, covering allergic responses to various nanoparticles and nanomaterials, post-treatment immune reconstruction, and monitoring of the workplace environment. Members of the Allergy and Immunotoxicology Scientific Committee published an eBook consisting of 14 chapters written and edited jointly by the following members: 1. Kuroda E. *Mechanisms of Action of Inhaled Particulates on Allergic Lung Inflammation*; 2. Di Giampaolo L, Petrarca C. et al. *Metal Nanoparticle Health Risk Assessment*; 3. Yoshioka Y. *Immune Toxicity of and Allergic Responses to Nanomaterials*; 4. Larese F. Filon. *Inflammation and Environmental (Ultrafine) Nanoparticles*; 5. Eastlake A.C., Fontana L., Iavicoli I. *Monitoring Nanomaterials in the Workplace*; 6. Petrarca C., Mangifesta R. et al. *Immunotoxicity of Nanoparticles*; 7. Stoleski S. *Occupational Respiratory Allergic Diseases: Occupational Asthma* and 8. *Occupational Respiratory Allergic Diseases: Occupational Rhinitis*; 9. Mijakoski D. *Occupational Skin*

*Diseases*; 10. Aoyama Y., Shiohara T. *Expanding Concept of Immune Reconstitution Inflammatory Syndrome: A New View Regarding How the Immune System Fights Exogenous Pathogens*; 11. Mijakoski D., Stoleski S. *Workplace Risk Assessment in Occupational Allergology*; 12. Tomoki Fukuyama, Risako Tajiki-Nishino. *Pesticides and immunotoxicology*; 13. Lee S., Yamamoto S., Hayashi H., Matsuzaki H., Kumagai-Takei N., Hatayama T. et al. *Clinical Evaluation of Plasma Decoy Receptor 3 Levels in Silicosis*; 14. Kumagai-Takei N., Lee S., Matsuzaki H., Min Yu M et al. *Reduction of Antitumor Immunity Caused by Asbestos Exposure*. (<https://link.springer.com/book/10.1007%2F978-981-15-4735-5>). The eBook was downloaded 2200 times and cited five times. This work has replaced attendance with audience events that were not feasible during the COVID-19 pandemic.

We have also provided scientific contributions to the ICOH2022 Congress by organizing a Special Session and presenting and discussing the following issues: *Asbestos-caused key events of altered expression of gene in mesothelioma patients* by Nishimura Y; *Does microRNA characterized asbestos-related diseases?* by Petrarca C.; *Green coffee allergy and exposure to nanoparticles in harbor workers* by Larese Filon F.; *Check List for Workers Under Pandemics* by Hiroo Wada (AITSC). The abstracts of these interventions have been published in *Safety and Health at Work*, 01 Jan 2022, 13:S15-S17.

In April 2022, a series of seminars were organized and held by Prof. Petrarca at the University Chieti-Pescara for MD physicians attending the Specialization School of Occupational Medicine on various topics presented at the ICOH2022 Congress.

# Résumé en français



## Message du Président

### Chers Collègues,

Il semble que la COVID-19, qui a mis à l'épreuve de manière inattendue notre réseau en tant que professionnels de santé au travail, se retire lentement. Suite à la réunion du conseil de mi-mandat de février 2020 à Rome qui a réuni les membres du bureau, du conseil d'administration, des présidents et secrétaires des comités scientifiques, les réunions n'ont pas pu être organisées en présentiel en raison de la pandémie. Cependant, les réunions en ligne nous ont réunis virtuellement pour partager nos expériences en matière de santé au travail. L'Assemblée générale s'est tenue en ligne lors du Congrès 2022 de la CIST ; même si j'ai prononcé le discours inaugural lors de la réunion, ce message est ma première occasion de saluer tous les membres de la CIST par le biais de la newsletter.

Tout d'abord, je tiens à exprimer ma sincère gratitude à tous les membres de la CIST pour leur soutien à ma présidence pour le triennat 2022-2024. J'ai rejoint la CIST en 1992 et depuis, j'ai travaillé dans différents comités scientifiques. Au cours des 12 dernières années, j'ai été membre du conseil d'administration et vice-président des secrétaires nationaux. Grâce aux conférences régionales et nationales sur la santé au travail, j'ai communiqué avec de nombreux membres pour promouvoir les activités de la CIST aux niveaux national, régional et mondial.

### La santé au travail dans le monde

J'ai rejoint la médecine du travail en 1989 après ma formation clinique. Lorsque j'ai travaillé comme médecin du travail dans les années 1990, les conditions de travail en Corée n'étaient pas assez bonnes pour protéger la santé des travailleurs. Certains travailleurs souffraient

de maladies dont les causes n'étaient pas identifiées. Ma tâche principale consistait à mener des enquêtes épidémiologiques sur divers lieux de travail afin de déterminer les causes possibles de ces maladies. Bon nombre de ces enquêtes ont été menées dans d'autres pays développés. Lorsque l'économie Coréenne s'est développée, les mauvaises conditions de travail ont disparu. Il ne m'a pas fallu longtemps pour comprendre que ces emplois avaient été transférés vers d'autres pays asiatiques. Dans cette mondialisation, aucun pays ne peut survivre sans échanger des biens avec d'autres pays. Cela signifie que les objets que nous utilisons quotidiennement peuvent être fabriqués par des travailleurs de n'importe quelle partie du monde, exposés à divers risques professionnels. Comme nous l'avons vu au cours de la COVID-19, le monde est hautement connecté, contre notre gré. C'est la raison pour laquelle les professionnels de santé au travail doivent travailler ensemble.

Il n'y a rien d'insignifiant en matière de santé et de sécurité au travail ; cependant, la préservation des vies humaines est sans doute l'aspect le plus important. Il faut donc réduire le nombre de décès dus aux accidents du travail et aux maladies professionnelles. Selon l'OMS, les décès dus à des facteurs de risque professionnels sont particulièrement élevés chez les personnes vivant dans le Pacifique occidental et en Asie du Sud-Est, chez les personnes actives plus âgées et chez les hommes. A l'échelle mondiale, l'exposition aux facteurs de risque au travail provoque près de deux millions de décès prématurés par an, la plupart étant dus à de longues heures de travail (750 000), à la pollution atmosphérique, aux gaz, aux fumées (450 000) et aux blessures (360 000). Ces décès peuvent être évités en réduisant les heures de travail, en éliminant les substances dangereuses et en



## Résumé en français

contrôlant l'environnement de travail.

### Stratégies

Lorsque j'ai commencé à travailler dans le domaine de la médecine du travail, tous les problèmes provenaient de risques physiques, tels que la poussière, le bruit, les produits chimiques et les agents biologiques. Nous pensions que les maladies professionnelles étaient causées par des facteurs externes. Cependant, avec la croissance économique, les travailleurs ont commencé à se plaindre de différents types de maladies. En Corée, les maladies cérébro-vasculaires et cardiovasculaires ont été considérées comme des maladies liées au travail causées par le stress professionnel ou de longues heures de travail. La plupart des professionnels de la santé apprennent et croient que ces maladies se développent en raison de facteurs personnels, tels que le vieillissement, la dégénérescence et le mode de vie. On peut parler de maladies causées par l'environnement externe.

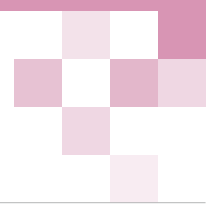
Dans le cas des maladies cardiovasculaires, les facteurs professionnels n'ont généralement pas été reconnus comme étant la cause, bien que l'un des facteurs de risque soit connu comme le stress. La Cour suprême a décidé que ces maladies pouvaient être acceptées comme des maladies professionnelles donnant lieu à une indemnisation, s'il y avait une probabilité de relation. En 1994, le gouvernement Coréen a établi des critères de diagnostic pour les maladies cérébro-cardiovasculaires en tant que maladies professionnelles indemnifiables. Depuis lors, de nombreux efforts de prévention ont été déployés par la société de santé au travail en Corée. De nombreux décès dus aux maladies cérébro-cardiovasculaires à l'âge actif pourraient être évités en réduisant les heures de travail, en réorganisant la structure et la culture du travail et en contrôlant les maladies liées au mode de vie. On peut parler d'une maladie aggravée par l'environnement interne.

Depuis plusieurs décennies, la santé au travail s'est développée en même temps que l'économie Coréenne. Pourtant, de nombreux problèmes professionnels continuent d'être soulevés, en particulier dans les industries de haute technologie qui utilisent de nombreux produits chimiques. Les causes de ces problèmes ne sont pas encore claires en raison de la durée limitée du suivi et du manque d'études appropriées. Ces problèmes sont exacerbés par l'insuffisance du système de sécurité sociale, car les maladies rares ou graves font peser une lourde charge économique et sociale sur les travailleurs. L'objectif ultime de la santé au travail est de fournir à tous les travailleurs un environnement exempt de maladies, de perte de revenus, de chômage et de retraite. La santé au travail ne peut être atteinte en complétant le système de sécurité sociale d'un pays. On peut parler de maladie liée à l'environnement social.

Ces trois phases de la santé au travail diffèrent d'un pays à l'autre. Cependant, les risques professionnels se sont répandus dans le monde. Par conséquent, nous devons examiner les conditions de travail au-delà de notre pays ou de notre région. La situation actuelle de la santé au travail dans le monde est un problème qui doit être résolu ensemble par les professionnels de la santé au travail. Par conséquent, je suggère que la stratégie présidentielle pour la période triennale 2022-2024 soit la "Responsabilité mondiale pour la santé des travailleurs".

Jorma Rantanen, président de 2003 à 2009, a souligné l'importance du service de santé au travail de base. Cette stratégie a apporté quelque chose au niveau mondial en créant un service fondamental pour les travailleurs exposés aux risques professionnels. Kazutaka Kogi, président de 2009 à 2015, a proposé le service de santé au travail. Le thème a été adopté comme la déclaration de Séoul qui a contribué à améliorer la santé et la sécurité des travailleurs, non seulement contre les risques professionnels mais aussi contre les maladies liées au

## Résumé en français



mode de vie. Jukka Takala, président de 2015 à 2022, a souligné l'importance du cancer professionnel. Cela a motivé de nombreux pays à interdire ou à éliminer les agents cancérigènes professionnels sur le lieu de travail. Actuellement, nous vivons dans un monde interconnecté. Tout ce qui se produit dans une partie du monde peut se propager rapidement à d'autres parties du monde. La plupart des pays développés ont surmonté les risques professionnels traditionnels, qui peuvent être considérés comme la phase 1 de la santé au travail. Cependant, ces risques n'ont pas disparu de la terre, mais ils harcèlent désormais les travailleurs naïfs d'autres parties du monde qui n'ont pas le choix de choisir un emploi pour survivre. Nous devons travailler ensemble pour améliorer les conditions de travail de chacun, car la santé au travail est un droit de l'homme.

### Travailler dans/avec les organisations concernées

Pour réaliser la stratégie présidentielle, j'aimerais travailler plus étroitement avec les sociétés ou associations professionnelles, et les instituts nationaux ou publics de santé au travail d'un pays. Ils sont membres de la CIST en tant que membres affiliés ou membres de soutien. De nombreux instituts de SST ont contribué à améliorer la santé au travail dans le monde. Cependant, en raison des contraintes économiques mondiales, ils se concentrent sur des problèmes locaux plutôt que mondiaux. Bien que cela soit compréhensible, les professionnels de la santé au travail doivent travailler en étroite collaboration car les risques professionnels ont déjà uni le monde. En tant que président de la CIST, je voudrais demander aux dirigeants des instituts ou des sociétés publiques d'ouvrir plus grand les yeux pour protéger les travailleurs du monde entier, comme ils l'ont fait au cours des dernières décennies.

### Collaborations avec des organisations internationales

La CIST est un partenaire officiel non étatique de l'OMS et entretient des relations étroites avec l'OIT. La CIST a fourni des preuves scientifiques précieuses à ces deux grandes organisations internationales pour protéger la santé et la sécurité des travailleurs. L'OIT souhaite élever la sécurité et la santé au travail au rang de droit humain fondamental. L'OMS inclut depuis longtemps la CIST en tant qu'acteur non étatique pour des collaborations. Les priorités de l'OMS sont de développer un cadre mondial pour des lieux de travail plus sains, plus sûrs et plus résilients, de stimuler le développement de programmes de SST et de disposer d'un réseau mondial par le biais des centres de collaboration de l'OMS.

La CIST travaille également en étroite collaboration avec des organisations sœurs telles que l'Association internationale d'hygiène du travail, l'Association internationale d'ergonomie et l'Association internationale des inspecteurs du travail. Nous continuerons à collaborer avec elles comme nous l'avons fait auparavant.

### Question du Qatar

La Coupe du Monde de la FIFA 2022 arrive bientôt. Depuis que le Qatar a remporté l'appel d'offres pour accueillir cet événement mondial, les travaux de construction de stades et d'infrastructures ont été considérables. Ces travaux ont attiré de nombreux travailleurs migrants, notamment d'Asie du Sud-Est. Lors de la deuxième assemblée générale du congrès 2015 de la CIST à Séoul, certains membres ont fait part de leurs inquiétudes quant aux éventuels décès professionnels des travailleurs migrants au Qatar. La CIST a adopté cette question et a envoyé une lettre au gouvernement du Qatar. Le Secrétaire général Sergio Iavicoli a assisté à la réunion sur la santé au travail qui s'est tenue au Qatar. Le principal problème



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pour les travailleurs migrants, principalement originaires du Népal et de l'Inde, était le décès ou les maladies (insuffisance rénale chronique) causées par les coups de chaleur dans des conditions résidentielles. Les décès dus à des accidents du travail étaient très rares, mais la plupart des travailleurs migrants qui venaient de pays relativement plus froids ont souffert d'une chaleur terrible au Moyen-Orient. Ils n'étaient pas bien adaptés à l'environnement chaud. La CIST a fait pression sur le gouvernement du Qatar pour qu'il améliore les conditions de vie et de travail des travailleurs migrants, qui avaient encore été exacerbées par le système Kapala. Le Qatar a maintenant amélioré ces conditions.

Avant le Congrès 2022 de la CIST, le Comité scientifique pour les facteurs thermiques (*SCTF*), présidé par Jason Lee Kai Wei, a de nouveau soulevé cette question sur la base de rapports des médias britanniques, qui ont déclaré qu'il y avait eu de nombreux décès et maladies professionnelles au Qatar pendant la préparation de la Coupe du monde 2022. La *SCTF* a proposé une déclaration de la CIST sur les problèmes de santé au travail au Qatar. La première réunion du conseil d'administration de la CIST après le Congrès de 2022 a discuté de cette question et a décidé de l'étendre à la santé des travailleurs migrants. Les décès de travailleurs migrants ne sont pas limités à la préparation de la Coupe du monde 2022 au Qatar. Ils sont fréquents dans de nombreux pays hôtes, et se produisent non seulement dans les conditions de travail mais aussi dans les conditions de vie générales. Le Conseil d'administration a décidé de préparer une déclaration de la CIST pour les travailleurs migrants. La tâche a été confiée au Groupe de travail sur l'avenir du « travail décent » dirigé par Paul Schulte et à son sous-comité sur les travailleurs migrants dirigé par le Dr Acran Salmen-Navarro. Le projet de déclaration de la CIST sur les travailleurs migrants va être distribué aux experts concernés au sein de la CIST. Il sera approuvé par le Conseil d'administration et déclaré en tant que

déclaration de la CIST. En tant que président, je remercie tous les experts pour leur contribution à la déclaration.

### Congrès de la CIST 2024 - Marrakesh

De nombreux pays ont surmonté l'épidémie de COVID-19. Les voyages internationaux reviendront bientôt à la normale. Bien que nous ayons organisé un merveilleux congrès en ligne, nous reconnaissons également l'importance de se réunir en personne pour communiquer entre membres et autres scientifiques. Le 34<sup>ème</sup> Congrès de la CIST se tiendra en avril 2024. Veuillez noter cette date dans votre calendrier.

### Activités des membres

De nombreuses conférences internationales seront organisées par les 37 comités scientifiques. En tant que membre d'ICOH, veuillez sélectionner TROIS comités scientifiques qui correspondent à vos intérêts ou à votre expertise. La communication au sein des comités scientifiques est fondamentale pour le fonctionnement de la CIST. Veuillez également rester en contact avec le Secrétaire national de votre pays/région. Le Secrétaire national est le représentant de la CIST dans votre pays/région.

La CIST dispose d'un site web fantastique ([icohweb.org](http://icohweb.org)), qui est géré par le Secrétariat. Les membres peuvent accéder à des informations précieuses dans l'espace privé. Vous pouvez vous connecter avec votre adresse e-mail enregistrée et votre code de membre (mot de passe). Veuillez visiter le site fréquemment pour obtenir plus d'informations sur la CIST et ses activités.

1er avril 2022

**Prof. Seong-Kyu Kang**  
Président de la CIST

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## Nouvelles du Secrétaire général

Chers membres de la CIST,

Puisque c'est la première fois que j'écris ce message en tant que Secrétaire général nouvellement élu, permettez-moi de me présenter.

Je m'appelle Diana Gagliardi. Je suis médecin chercheur à l'Autorité Italienne d'indemnisation des travailleurs (INAIL), où je coordonne l'unité sur les réseaux de recherche internationaux. Je suis membre de la CIST depuis 2009 et j'ai été secrétaire (2009-2015) et présidente (2015-2021) du comité scientifique de la CIST sur la santé et le développement au travail. J'ai présidé le comité d'organisation du congrès numérique 2022 de la CIST.

Le 10 février 2022, j'ai pris mes fonctions de nouveau Secrétaire général de la CIST.

Je suis ravie de pouvoir succéder à Sergio Iavicoli dans ce rôle important à un moment aussi crucial pour notre profession. Sous sa direction, la CIST a été très active dans les activités de plaidoyer et de conseil politique, en collaborant avec des organisations partenaires dans le monde entier, notamment l'OMS et l'OIT.

Nous nous sommes vraiment appuyés sur cette base au cours des années, et je suis impatiente de travailler en étroite collaboration avec les membres de la CIST pour réaliser de nouveaux progrès.

Je voudrais profiter de cette occasion pour remercier tous les membres de la CIST qui ont participé au Congrès numérique ICOH 2022 du 6 au 10 février 2022. Le Congrès numérique a été un grand succès, avec plus de

1400 participants de 98 pays.

Avec le début de ce nouveau mandat, nous avons récemment lancé la campagne de renouvellement des adhésions à la CIST. Les membres reçoivent des communications individuelles du Secrétariat de la CIST avec toutes les instructions et les formulaires pour le paiement de leur cotisation pour la période 2021-2023. Les paiements en ligne sont également disponibles dans l'espace privé du site web de la CIST.

La campagne de renouvellement des adhésions devait commencer en 2021, mais a été reportée suite au report d'un an du congrès de la CIST à 2022.

Nous nous réjouissons de votre participation aux activités de la CIST. Pour plus d'informations, veuillez contacter le secrétariat de la CIST à l'adresse [icoh@inail.it](mailto:icoh@inail.it).

**Dr. Diana Gagliardi**

Secrétaire général de la CIST







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## Message du rédacteur en chef

Chers membres de la CIST,

À partir du présent numéro, je serai le rédacteur en chef de la Newsletter de la CIST. Je m'appelle Won-Jun Choi et je suis médecin et professeur à la faculté de médecine de l'Université de Gachon, en République de Corée. C'est un honneur pour moi d'occuper ce poste et je suis très heureux de partager avec nos membres des nouvelles du monde entier. Je tiens à exprimer ma gratitude à Eun-A Kim, l'ancien rédacteur en chef et aux membres de la rédaction pour leur travail acharné au cours des sept dernières années. Je tiens à remercier le Professeur Alexis Descatha et son équipe pour la traduction française.

Dans le numéro actuel, vous trouverez un rapport sur le Congrès 2022 de la CIST et les activités des membres. La lettre d'information de la CIST est toujours ouverte à tous les membres. Veuillez partager des histoires intéressantes avec les autres membres.

La newsletter de la CIST ne sera publiée que dans sa version électronique à partir de ce numéro. Elle sera envoyée par courrier électronique. Veuillez donc vous assurer que votre adresse électronique est correcte. Veuillez apporter tout changement à votre/vos adresse(s) électronique(s) en communiquant avec la rédaction (icohnewsletter@gachon.ac.kr [OU] wjchoi@gachon.ac.kr) ou le secrétariat de la CIST (icoh@inail.it). Vous pouvez également modifier votre adresse électronique directement sur le site web, dans l'espace privé. La newsletter peut également être consultée sur le site web de la CIST (<https://www.icohweb.org/site/newsletter.asp>).

Bien que la pandémie s'estompe lentement, de nombreuses personnes dans le monde souffrent encore de la COVID-19 et de problèmes connexes. Nous souhaitons le meilleur pour la sécurité et la santé de nos membres et des travailleurs.

**Prof. Won-Jun Choi**

Rédacteur en chef, Bulletin d'information de la CIST

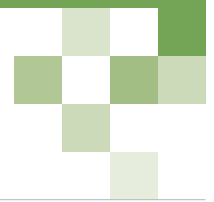
### Le planning éditorial de la Newsletter de la CIST

Les plans éditoriaux pour le reste de l'année 2022 sont les suivants :

- Numéro 2 : 1er août (date limite de soumission des articles : fin juin)
- Numéro 3 : 1er décembre (date limite de soumission des articles : fin octobre)



# ICOH Scientific Committee Officers for Triennium 2022-2024



**Text in black indicates the SC Officers who are already appointed for Triennium 2022-2024.**

*Text in blue italics indicates the SC Officers who served for Triennium 2018-2021 (new officers to be appointed).*

## **Accident Prevention**

Chair: Dr. Karen MICHELL  
 Email: Karen.michell@iosh.com  
 Secretary: Dr. David GOLD  
 Email: david.gold.48@gmail.com

## **Aging and Work**

Chair: Dr. Jodi OAKMAN  
 Email: j.oakman@latrobe.edu.au  
*Secretary: Dr. Karin PROPER*  
*Email: karin.proper@rivm.nl*

## **Allergy and Immunotoxicology**

*Chair: Dr. Claudia PETRARCA*  
*Email: c.petrarca@unich.it*  
*Secretary: Dr. Hiroo WADA*  
*Email: h-wada@juntendo.ac.jp*

## **Cardiology in OH**

Chair: Prof. Marco FERRARIO  
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*Secretary: Dr. Elzbieta Hanna GADZICKA*  
*Email: elag@imp.lodz.pl*

## **Education and Training in OH**

*Chair: Dr. Marija BUBAS*  
*Email: marija.bubas@hzjz.hr*  
*Secretary: Prof. F.J.H. VAN DIJK*  
*Email: v.dijk.workandhealth@gmail.com*

## **Effectiveness in Occupational Health Services (EOHS)**

Chair: Mrs. Stefania CURTI  
 Email: stefania.curti@unibo.it  
*Secretary: Dr. Riitta SAUNI*  
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## **Emergency Preparedness and Response in Occupational Health**

*Chair: Dr. Alexis DESCATHA*  
*Email: alexis.descatha@inserm.fr*  
*Secretary: Dr. Susanne SCHUNDER-TATZBER*  
*Email: susanne@schunder.at*

## **Epidemiology in OH**

Chair: Dr. Laura BEANE-FREEMAN  
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 Secretary: Prof. Sara DE MATTEIS  
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## **History of Prevention of Occupational and Environmental Diseases**

*Chair: Prof. Paul BLANC*  
*Email: Paul.Blanc@ucsf.edu*  
*Secretary: Prof. Kjell TOREN*  
*Email: kjell.toren@amm.gu.se*

## **Indoor Air Quality and Health**

*Chair: Dr. Peder WOLKOFF*  
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## **Industrial Hygiene**

*Chair: Ms. Lena ANDERSSON*  
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*Secretary: Dr. Hyunwook KIM*  
*Email: hwkim@catholic.ac.kr*

## **Mining Occupational Safety and Health**

Chair: Prof. Jinky Leilanie del Prado LU  
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 Secretary: Dr. Muchtaruddin MANSYUR  
 Email: m0mansyur@yahoo.co.uk



# ICOH Scientific Committee Officers for Triennium 2022-2024

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## Musculoskeletal Disorders

Chair: Dr. Deepak SHARAN  
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 Secretary: Dr. Sougata KARMAKAR  
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## Nanomaterial Workers' Health

Chair: Prof. Ivo IAVICOLI  
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 Secretary: Dr. Michael RIEDIKER  
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## Neurotoxicology and Psychophysiology

Chair: Dr. Diane ROHLMAN  
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 Secretary: *To be appointed*  
 Email:

## Occupational and Environmental Dermatoses

Chair: Dr. Sanja KEZIC  
 Email: s.kezic@amc.uva.nl  
 Secretary: Prof. Swen M JOHN  
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## Occupational Health Nursing

Chair: Ms. Kim DAVIES  
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 Secretary: Ms. Kirsi Helena LAPPALAINEN  
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## Occupational Medicine

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 Secretary: Dr. James Alexander ROSS  
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## Occupational Toxicology

Chair: Prof. Silvia FUSTINONI  
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## OH and Development

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## OH for Health Workers

Dr. Gwen Orr BRACHMAN  
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 Secretary: Prof. Antoon DE SCHRYVER  
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## OH in the Chemical Industry (OH CI)

Chair: Dr. William Murray COOMBS  
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 Secretary: Dr. Adriaan COMBRINCK  
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## OH in the Construction Industry

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 Secretary: Dr. Alberto CABAN-MARTINEZ  
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## Radiation and Work

Chair: Dr. Marc WITTLICH  
 Email: marc.wittlich@dguv.de  
 Secretary: Dr. Alberto MODENESE  
 Email: alberto.modenese@unimore.it

## Reproductive Hazards in the Workplace

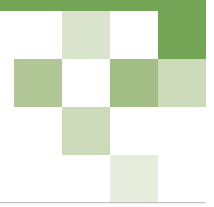
Chair: Dr. Hsiao-Yu YANG  
 Email: hyang@ntu.edu.tw  
 Secretary: Dr. Pau-Chung CHEN  
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## Respiratory Disorders

Chair: Dr. Thomas KRAUS  
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 Secretary: *To be appointed*  
 Email:

---

# ICOH Scientific Committee Officers for Triennium 2022-2024



## Rural Health: Agriculture, Pesticides and Organic Dusts

Chair: Dr. Sashikala CHANDRASEKAR  
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## Shiftwork and Working Time

Chair: Dr. Stephen POPKIN  
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Secretary: Prof. Claudia Roberta de Castro MORENO  
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## Small-Scale Enterprises and the Informal Sector

Chair: Mr. Mahinda SENEVIRATNE  
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Secretary: Dr. Somnath GANGOPADHYAY  
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## Thermal Factors

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Secretary: Dr. Sirkka Maria RISSANEN  
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## Toxicology of Metals

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## Unemployment, Job Insecurity and Health

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## Vibration and Noise

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Secretary: Dr. Enrico MARCHETTI  
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## Women Health and Work

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## Work and Vision

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## Work Disability Prevention and Integration

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## Work Organisation and Psychosocial Factors

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Secretary: Ms. Denise MINNIE  
Email: dminnie@randwater.co.za



## National/Area Secretaries for Triennium 2022-2024

**Text in black indicates the National/Area Secretaries who are already appointed for Triennium 2022-2024.**

*Text in blue italics indicates the National/Area Secretaries who served for Triennium 2018-2021 (new secretaries to be appointed).*

| Country/Area          | Secretary                                   | E-mail                                       |
|-----------------------|---|--|
| <i>Argentina</i>      | <i>Claudia Maria DE HOYOS</i>               | <i>dradehoyos@gmail.com</i>                  |
| <i>Australia</i>      | <i>Lin FRITSCHI</i>                         | <i>lin.fritschi@curtin.edu.au</i>            |
| <i>Austria</i>        | <i>Jasminka GODNIC-CVAR</i>                 | <i>jasminka.godnic-cvar@meduniwien.ac.at</i> |
| <i>Belarus</i>        | <i>Tatsiana RYBINA</i>                      | <i>tanya-rybina@list.ru</i>                  |
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| <i>Brazil</i>         | <i>Rosylane ROCHA</i>                       | <i>rosylanerocha@yahoo.com.br</i>            |
| <i>Bulgaria</i>       | <i>Milena TABANSKA</i>                      | <i>milena_tabanska@abv.bg</i>                |
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| <i>Croatia</i>        | <i>Milan MILOSEVIC</i>                      | <i>milan.milosevic@snz.hr</i>                |
| <i>Czech Republic</i> | <i>Sergej ZACHAROV</i>                      | <i>sergej.zacharov@vfn.cz</i>                |
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| <i>Egypt</i>          | <i>Amani WAHEED</i>                         | <i>amaniwaheed@yahoo.com</i>                 |
| <i>Finland</i>        | <i>Jarmo HEIKKINEN</i>                      | <i>jarmo.k.heikkinen@uef.fi</i>              |
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| <i>Ghana</i>          | <i>Fred Yaw BIO</i>                         | <i>yaw_bio@yahoo.co.uk</i>                   |
| Greece                | Styliani TZIAFERI                           | sttziaf@hotmail.com                          |
| <i>Guatemala</i>      | <i>Ovidio Roberto HERMOSILLA COLMENARES</i> | <i>roberto.hermosilla@progreso.com</i>       |
| Hungary               | Judit SIMON                                 | simon.judit@t-online.hu                      |
| <i>India</i>          | <i>Ashish MISHRA</i>                        | <i>DrAshish.Mishra@Unilever.com</i>          |
| Indonesia             | Nuri PURWITO ADI                            | urin_id@yahoo.com                            |
| Iran                  | Mehdi JAHANGIRI                             | jahangiri_m@sums.ac.ir                       |
| Ireland               | Ciarán BOHANE                               | bohane@gmail.com                             |
| <i>Israel</i>         | <i>Eric AMSTER</i>                          | <i>eamster@post.harvard.edu</i>              |
| Italy                 | Michele Augusto RIVA                        | michele.riva@unimib.it                       |
| Jamaica               | Janice GREEN                                | janiceaggreen@gmail.com                      |
| Japan                 | Etsuko YOSHIKAWA                            | e-yoshikawa@redcross.ac.jp                   |
| Kenya                 | Winnie MAKOKHA                              | winniemakokha@gmail.com                      |
| <i>Korea, Rep. Of</i> | <i>Jaechul SONG</i>                         | <i>jsong@hanyang.ac.kr</i>                   |

## National/Area Secretaries for Triennium 2022-2024



| Country/Area                    | Secretary                                 | E-mail                                     |
|---------------------------------|---|--|
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