



Ergonomics & Hygiene 2023

Collaboration for Sustainable Health in Future of Work

Conference Programme

23 - 24 AUGUST 2023
9AM - 5.30PM

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About the Conference



The Annual Ergonomics and Hygiene Conference & Exhibition will be held on 23-24 August 2023 at the NTU@One-north Campus, Buona Vista, Singapore.

This conference is hosted by IEH Singapore and supported by various partners. This is a unique forum for Occupational Hygienists, Ergonomists, and all Health & Safety professionals alike to network and share their best practices.

Collaboration for Sustainable Health in Future of Work

The theme focuses on exploring how various disciplines in Occupational Hygiene, Human Factors & Ergonomics, and other OSH professional can better work together to identify, collaborate and manage workplace health challenges in the post-pandemic world and uncertain global economic time.

DAY 1 PROGRAMME

CHALLENGES TO HEALTH IN THE FUTURE OF WORK

9:00 OPENING SPEECH
GUEST SPEAKER: DR RICHARD GRAVELING, IOM, UK

9:15 KEYNOTE: DR LOH TZU YANG, COLLEGE OF DESIGN AND ENGINEERING,
NATIONAL UNIVERSITY OF SINGAPORE
PROTECTING OUR PEOPLE: ADDRESSING CHALLENGES IN THE FIELD OF
OCCUPATIONAL HYGIENE

9:45 COFFEE BREAK & EXHIBITION

10:15 BREAKOUT SESSION
Venue: Main Auditorium
TOPIC: UX FOR HYBRID WORK

HOSTED BY:



BREAKOUT SESSION
Venue: Lecture Hall
TOPIC: LEVERAGING THE 2030 UNITED NATIONS SDGS FOR A HEALTHY WORK ENVIRONMENT: INDOOR ENVIRONMENT QUALITY

HOSTED BY:



11:45 LUNCH & EXHIBITION

12:45 BREAKOUT SESSION
Venue: Main Auditorium
TOPIC: TECHNOLOGY-ENABLED WSH - UNCOVER HOW THESE TECHNOLOGY SOLUTIONS HELPS TACKLE WORKPLACE HEALTH CHALLENGES

HOSTED BY:



BREAKOUT SESSION
Venue: Lecture Hall
TOPIC: ONE HEALTH" - WHY SHOULD OEHS PROFESSIONALS KNOW AND ACT?

HOSTED BY:





DAY 1 PROGRAMME

CHALLENGES TO HEALTH IN THE FUTURE OF WORK

14:15 COFFEE BREAK & EXHIBITION

14:45 PLENARY: MR JAI PRAKASH, MACKIN CONSULTANCY, SINGAPORE
CHALLENGES IN ADDRESSING THE ROOT CAUSE OF WORKPLACE ACCIDENTS

15:10 PLENARY: MR DARYL SNG, MICRON, SINGAPORE
UNDERSTANDING WORKPLACE WELLBEING

15:40 PLENARY: MR ALVIN GAN, VARIAN MEDICAL SYSTEMS, SINGAPORE
WILL IONIZING RADIATION TURN ME INTO THE INCREDIBLE HULK?

16:05 PLENARY: MR EDWIN YAP, CHUBB GLOBAL RISK ADVISOR, SINGAPORE
SILENCING THE NOISE: A REGIONAL STUDY OF NOISE LEVELS IN DATA CENTRES

16:30 KEYNOTE: MS LYDIA LAW, NUS, SINGAPORE
WORKING IN A WARMING WORLD - MORE THAN JUST HEAT INJURIES AND
PRODUCTIVITY LOSSES

17:00 PANEL DISCUSSION
MODERATOR: DR RICHARD GRAVELING
PANEL: MS LYDIA LAW, MR EDWIN YAP, MR ALVIN GAN, MR DARYL SNG

17:30 END OF DAY 1



DAY 2 PROGRAMME

COLLABORATING FOR SUSTAINABLE WORKPLACE HEALTH

9:00 OPENING SPEECH
GUEST SPEAKER: MR AMEERALI ABDEALI, HONOURARY PRESIDENT OF THE NATIONAL SAFETY COUNCIL SINGAPORE

9:30 GUEST SPEAKER: MR MAHARSHI MEHTA, PRESIDENT, INTERNATIONAL OCCUPATIONAL HYGIENE ASSOCIATION
TOPIC: LESSONS LEARNED IN EXPOSURE. ASSESSMENT GLOBALLY

10:00 COFFEE BREAK & EXHIBITION

10:30 **BREAKOUT SESSION**
Venue: Auditorium
TOPIC: CREATING A CULTURE OF WELLNESS: HR AND MANAGEMENT'S ROLE IN NURTURING HEALTHY WORKPLACES

HOSTED BY:



BREAKOUT SESSION
Venue: Lecture Hall
TOPIC: TAKING YOUR WORKPLACE SAFETY EXPERTISE TO THE NEXT LEVEL

HOSTED BY:



12:00 LUNCH & EXHIBITION

13:00 PLENARY: MS ANITA RIOS, BLACKBERRY, SINGAPORE
ERGONOMICS IN EVERYDAY OFFICE WORK

13:25 PLENARY: MS KAM WAI KUEN, SGH, SINGAPORE
EPIDEMIOLOGY OF WRMSD IN AN ACUTE TERTIARY HOSPITAL

13:50 PLENARY: MS MASFARITA MUSTAFFA, PETRONAS, MALAYSIA
RECOGNIZING THE HUMAN FACTOR AND HUMAN PERFORMANCE ELEMENTS IN PROJECT DELIVERY THROUGH VERIFICATION OF INCIDENT CAUSATIONS CATEGORIZATION, A PETRONAS EXPERIENCE



DAY 2 PROGRAMME

COLLABORATING FOR SUSTAINABLE WORKPLACE HEALTH

14:15 COFFEE BREAK & EXHIBITION

15:00 PLENARY: DR ASANKHAYA SHARMA, SECURADE.AI, SINGAPORE
USING COMPUTER VISION AND AI TO IMPROVE WORKER SAFETY

15:25 PLENARY: MS NOR HAFIZALENA OSMAN, PETRONAS, MALAYSIA
CROSS-FUNCTIONAL COLLABORATION TOWARD ENHANCEMENT OF MAINTENANCE
PROGRAM TO OVERCOME CHALLENGES ON SUSTENANCE OF NOISE ENGINEERING
CONTROL EQUIPMENT RELIABILITY

15:50 KEYNOTE: MR AKESH ABHILASH, HARRY ELIAS PARTNERSHIP LLP,
SINGAPORE
A LEGAL INSIGHT INTO THE WORKPLACE SAFETY AND HEALTH ACT 2006

16:20 PANEL DISCUSSION
MODERATOR: DR RICHARD GRAVELING
PANEL: MR AKESH ABHILASH, MS NOR HAFIZALENA OSMAN, DR ASANKHAYA
SHARMA, MS ANITA RIOS

17:00 CLOSING SPEECH

17:30 END OF DAY 2



Meet Our Guest Speakers



DR RICHARD GRAVELING
HONORARY DIRECTOR, IEH SINGAPORE
ASSOCIATE SENIOR ERGONOMICS CONSULTANT,
IOM, EDINBURGH, UK

MR AMEERALI ABDEALI
HONOURARY PRESIDENT OF THE NATIONAL
SAFETY COUNCIL SINGAPORE



MR MAHARSHI MEHTA
PRESIDENT, INTERNATIONAL OCCUPATIONAL
HYGIENE ASSOCIATION
LESSONS LEARNED IN EXPOSURE. ASSESSMENT
GLOBALLY

Meet Our Keynote Speakers



MS LYDIA LAW
NUS HRPC, SINGAPORE

**WORKING IN A WARMING WORLD - MORE THAN
JUST HEAT INJURIES AND PRODUCTIVITY LOSSES**

ASSISTANT PROF LOH TZU YANG
NUS CDE, SINGAPORE

**PROTECTING OUR PEOPLE: ADDRESSING
CHALLENGES IN THE FIELD OF OCCUPATIONAL
HYGIENE**



MR AKESH ABHILASH
HARRY ELIAS PARTNERSHIP LLP, SINGAPORE

**A LEGAL INSIGHT INTO THE WORKPLACE
SAFETY AND HEALTH ACT 2006**

Meet our Plenary Speakers



MR ALVIN GAN

RADIATION SAFETY OFFICER (SEAK), VARIAN MEDICAL SYSTEMS, A SIEMENS HEALTHINEERS COMPANY

**WILL IONIZING RADIATION TURN ME INTO THE INCREDIBLE HULK?
(FUNDAMENTALS 101: RADIATION SAFETY AND PROTECTION)**



MS ANITA RIOS

SR. MANAGER- ENVIRONMENT HEALTH AND SAFETY, ASIA PACIFIC, EUROPE AND MIDDLE EAST, BLACKBERRY SINGAPORE PTE. LTD.

ERGONOMICS IN EVERYDAY OFFICE WORK.



DR ASANKHAYA SHARMA

CEO, SECURADE.AI OKYASOFT PTE LTD

IMPROVING WORKER SAFETY WITH COMPUTER VISION AND AI



MR DARYL SNG

SENIOR EHS ENGINEER, MICRON SEMICONDUCTOR

UNDERSTANDING WORKPLACE WELLBEING



MR EDWIN YAP

VICE PRESIDENT, APAC, CHUBB GLOBAL RISK ADVISORS PTE LTD

SILENCING THE NOISE: A REGIONAL STUDY OF NOISE LEVELS IN DATA CENTRES

Meet our Plenary Speakers

MR JAI PRAKASH

SENIOR HEALTH AND SAFETY CONSULTANT AT MACKIN EHS
CHALLENGES IN ADDRESSING THE ROOT OF THE CAUSE OF
WORKPLACE ACCIDENTS?



MS KAM WAI KUEN

ASSISTANT DIRECTOR, WORKPLACE SAFETY AND HEALTH,
SINGAPORE GENERAL HOSPITAL

EPIDEMIOLOGY OF WRMSD IN AN ACUTE TERTIARY HOSPITAL



MS MASFARITA MUSTAFFA

PETRONAS, MALAYSIA

RECOGNIZING THE HUMAN FACTOR AND HUMAN
PERFORMANCE ELEMENTS IN PROJECT DELIVERY THROUGH
VERIFICATION OF INCIDENT CAUSATIONS CATEGORIZATION,
A PETRONAS EXPERIENCE.



MS NOR HAFIZALENA OSMAN

PETRONAS, MALAYSIA

CROSS-FUNCTIONAL COLLABORATION TOWARD ENHANCEMENT
OF MAINTENANCE PROGRAM TO OVERCOME CHALLENGES ON
SUSTENANCE OF NOISE ENGINEERING CONTROL EQUIPMENT
RELIABILITY



Breakout Session Organisers: Session 1



**HUMAN FACTORS AND ERGONOMICS
SOCIETY OF SINGAPORE**

Venue: Main Auditorium

PANEL DISCUSSION: UX FOR HYBRID WORK

MODERATOR: KC YONG

**PANELLISTS: EDWIN YAP (CHUBB), DR FRANK QIU (USER),
ZEPHAN CHAN (IEH)**

WITH HYBRID WORK BECOMING A NORM, A KEY DEVELOPMENT IN 2023 WILL BE THE TRANSFORMATION OF THE WORKPLACE. EVERY OFFICE IS NOW DOING A REVAMP TO SOLUTION THAT BETTER SUPPORT HYBRID WORK. IN THIS PANEL, SPEAKERS WILL DISCUSS ON DESIGN SOLUTIONS AND STRATEGIES TO ENABLE EMPLOYEES TO STAY PRODUCTIVE ANYWHERE AND ANYTIME.



UNIVERSITY OF NEWCASTLE

Venue: Lecture Theatre

A WHOLLY OWNED ENTITY OF
THE UNIVERSITY OF NEWCASTLE

**PART 1: LEVERAGING THE 2030 UNITED NATIONS SDGS FOR A
HEALTHY WORK ENVIRONMENT.**

**SPEAKER: A/P CHARLES LEE. DIRECTOR, CENTRE FOR
SUSTAINABLE DEVELOPMENT, NAIHE.**

**PART 2: INDOOR ENVIRONMENT QUALITY (IAQ) MONITORING
AND CONTROL.**

**SPEAKER: MR HO CHEE KIT. SNR DIRECTOR, SUSTAINABILITY
AND SUPPORT SERVICES, CW SERVICES.**

PART 3: WORKSHOP

**IMPROVING HEALTH IN THE WORKPLACE: HOW TO IDENTIFY IAQ
PROBLEMS IN OFFICE BUILDINGS.**

Breakout Session Organisers: Session 2



WORLD OF SAFETY & HEALTH ASIA

Venue: Main Auditorium

TECHNOLOGY-ENABLED WSH - UNCOVER HOW THESE TECHNOLOGY SOLUTIONS HELPS TACKLE WORKPLACE HEALTH CHALLENGES

JOIN OUR BREAK-OUT SESSION TO EXPLORE 5 TRENDING SOLUTIONS FOR WORKPLACE HEALTH CHALLENGES. LEARN TO IDENTIFY WORKERS' HEALTH CONCERNS BEFORE CRITICAL TASKS. DISCOVER EFFECTIVE SAFETY MONITORING OF WORKERS IN SIGNAL-CHALLENGED TUNNELS. UNRAVEL THE MYSTERY BEHIND HEARING LOSS DESPITE PROTECTION. EMBRACE A HOLISTIC SAFETY MANAGEMENT SYSTEM WITH REAL-TIME MONITORING OF HEALTH AND LOCATION, INTEGRATED WITH PERMIT-TO-WORK SYSTEM. UNVEIL WHY MOST PRESCRIBED SAFETY GLASSES MIGHT NOT MEET TO SS473. DON'T MISS THIS 1.5-HOUR ENLIGHTENING SESSION!



OCCUPATIONAL & ENVIRONMENTAL HEALTH SOCIETY SINGAPORE

Venue: Lecture Theatre

ONE HEALTH" - WHY SHOULD OEHS PROFESSIONALS KNOW AND ACT?.

PART 1: ONE HEALTH APPROACH - HOW RELEVANT IT IS TO EHS PROFESSIONALS?

SPEAKER: DR LEE LAY TIN, TAN TOCK SENG HOSPITAL,
PRESIDENT OF OCCUPATIONAL & ENVIRONMENTAL HEALTH SOCIETY SINGAPORE

PART 2: ZONOTIC DISEASE THREATS: IT'S NOT GOING AWAY, SO WHAT NOW? A VETERINARY PERSPECTIVE ON ONE HEALTH APPROACH

SPEAKER: DR KELVIN LIM, NPARKS

Breakout Session Organisers: Session 3



RED CROSS SINGAPORE

Venue: Main Auditorium

PANEL DISCUSSION: CREATING A CULTURE OF WELLNESS: HR AND MANAGEMENT'S ROLE IN NURTURING HEALTHY WORKPLACES

MODERATOR: DR RICHARD GRAVELING, IOM

PANELLISTS:

- **MR GURUNATH HARI, HEAD OF PRACTICE, PEOPLE STRATEGY AND HUMAN CAPITAL, EMINEO PURSUITS**
- **MR PRAKASH MENON, SINGAPORE RED CROSS SOCIETY**
- **MS STACEY HUANG, AIA**



Singapore
Branch

IOSH SINGAPORE

Venue: Lecture Theatre

TAKING YOUR WORKPLACE SAFETY EXPERTISE TO THE NEXT LEVEL

PART 1: WHAT DOES CPD AND LIFE LONG LEARNING MEAN TO YOU PERSONALLY AND IN YOUR CORPORATE ARENA?

SPEAKER: DARREN BRUNTON, MANAGING DIRECTOR, KBA TRAINING CENTRE PTE LTD

PART 2: "THE BUSINESS OF SAFETY" - HOW TO TURN YOUR SAFETY COMPLIANCE DEPT INTO A PROFIT CENTRE AND WIN THE HEARTS AND MINDS OF YOUR CEO AND BOARD MEMBERS

SPEAKER: GAVIN COYLE, CEO, COYLE GROUP

Post Conference Workshop

ASSESSING AND REDUCING THE RISK OF MUSCULOSKELETAL DISORDERS (MSD)



Speaker: Dr Richard Graveling

Date: 25 August 2023

Time: 9am - 1pm

Location: IEH Singapore

Training Room

CPD: 4 SDU Points

Overview

THE WORKSHOP WILL PRESENT AN OVERVIEW OF THE MAIN TYPES OF MSD SEEN IN OCCUPATIONAL SETTINGS – INCLUDING A BRIEF REVIEW OF THEIR KNOWN OCCUPATIONAL CAUSES (BASED ON SCIENTIFIC STUDIES DATING OVER MANY YEARS) AND SOME MISCONCEPTIONS. IT WILL THEN PROVIDE POINTERS TOWARDS AUTHORITATIVE SOURCES OF MATERIAL FOR ASSESSING THE RISKS RELATING TO EACH OF THE THREE MAIN CATEGORIES COVERED, TOGETHER WITH GUIDELINES ON RISK REDUCTION, DRAWING ON OVER 40 YEARS OF EXPERIENCE AS A PROFESSIONAL ERGONOMIST IN INDUSTRY

To find out more, visit: <https://ergonomicshygiene.org/post-conference-workshop/>

Contact us:

 WA +65 97705963

 admin@ergonomicshygiene.org

Hosted by:

IEH 
Institute of Ergonomics and Hygiene
QUALITY WORK AND HEALTHY LIFE FOR ALL

Exhibitors

This Exhibition will showcase cutting-edge products, services, and solutions from various industries, providing opportunities for valuable partnerships. There will be 20 exhibitors, free ice cream, lucky draws, and giveaways. Entry is free!



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THE UNIVERSITY OF NEWCASTLE



Singapore
Branch



CitiSafe
Pte Ltd



WYN MONDE
勝界科技有限公司
Redefining movement analysis



SINGAPORE



STATS
Specialist Testing and Technical Services



(주) 포워드메디
Forward Medi Co.,Ltd.

Supporting Organisations



Occupational &
Environmental Health
Society



Human Factors &
Ergonomics Society
Singapore



Malaysia Industrial
Hygiene Association



Indonesian Industrial
Hygiene Association



World of Safety
& Health Asia



National Safety
Council Singapore



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College of Design
and Engineering



Heat Resilience & Performance Centre
Yong Loo Lin School of Medicine



Occupational Hygiene
Training Association



APOSHO



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Get In Touch

Contact Us



+65 97705963



ADMIN@ERGONOMICSHYGIENE.ORG

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