

WSH Conference

ENHANCING WORKPLACE SAFETY AND HEALTH (WSH) RESILIENCE AND ROBUSTNESS IN CONSTRUCTION

6 April 2021 (1.00pm to 5.30pm) &
7 April 2021 (9.00am to 1.00pm)
Webinar Hosted By BCA Academy
from Singapore

This year's WSH Conference, organised jointly by BCA Academy and IOSH (Singapore) and supported by Ministry of Manpower and WSH Council, aims to share on how construction industry stayed resilient and robust during the pandemic period and successfully managed WSH with strong leadership and use of technology.

- **Opening Address** by Mr Yam Ah Mee, Chairman, Workplace Safety and Health Council (Construction and Landscape) Committee
- **Keynote Speech - Recovering Safely: How Occupational Safety and Health Is Building Future Resilience for Construction and Other Key Sectors** by Mr Jimmy Quinn, President of IOSH, UK
- **The New-Norm in Singapore's Construction Industry** by Mr Don Wilson Paua Boon Leng, Senior Manager (WSHE), Straits Construction Singapore Pte Ltd
- **Safety Resilience: Rethinking the approach to safety** by Mr Michael Tooma, Managing Partner, Clyde & Co Australia / Global Head of Clyde & Co's Occupational Health and Safety Practice
- **Digitization in the Built Environment** by Ms Kate Field, Global Head of Health, Safety and Wellbeing, BSI
- **ISO 45003 - Guidance on the Management of Psychosocial Risk, As Part of An Occupational Health and Safety Management System** by Dr Ivan Williams Jimenez, Policy Development Manager, IOSH
- **BCA's Audit and Inspection Regime & Good Practices for Prevention and Containment of Covid-19 Spread in Worksites** by Mr Derek Ang, Deputy Director (Policy), Audit & Inspection Group, BCA
- **Safety Leadership by Developers** by Mr Ashith Alva, Deputy Chief Development Officer, Singapore & International, CapitaLand Ltd
- **Building Resilience in the New Normal - Together, We Can** by Allan Low, Senior EHS Manager, Teambuild Engineering and Construction Pte Ltd
- **Building Psychological Safety for a Motivating and Engaging Workplace** by Ms Maria Plengsangtip, Partner & Consultant Psychologist, iGROW CorpHealth Pte Ltd
- **Workforce Tracking Automation** by Mr Can Kiral, Managing Director, Tagvance Pte. Ltd
- **Fostering Mental Resilience At The Workplace** by Mr Woon Cheng Peng, Deputy Director, WSH Institute, Ministry of Manpower

CONFERENCE FEE

(incl of GST)

S\$185.00*/S\$200.00

Fee includes conference e-materials.

* Discounted fee of S\$185 is only applicable for:

- Applications received with payment with more than 3 participants (as a group) from same organisation
- IOSH Members
- BCAA Alumni Card Holders

TARGET AUDIENCE

- Developers
- Builders
- Consultant/Engineers
- WSH Personnel
- Architects
- Construction/Project Managers
- Supervisory Personnel

CPD POINTS

Currently pending; will be updated subsequently

- PEB
- WSH-CPD (WSH Officer)
- IES-ACES (RE/RTO)



To register, please log into our Online StoreFront (OSF) at <https://eservices.bcaa.edu.sg/registration/#/login> or scan QRcode and search for course code **45030**

TOPICS & SPEAKERS



MR JIMMY QUINN
President of IOSH

KEYNOTE SPEECH

Recovering Safely: How occupational safety and health is building future resilience for construction and other key sectors

IOSH President Jimmy Quinn will share his experiences of how construction has managed COVID-19 and discuss how IOSH is promoting ways of 'Recovering Safely' from this pandemic.

While we live with and adapt to this COVID-19, populations continue to require ongoing construction and development, infrastructure, services and access to essential products to meet daily needs.

All usual OSH risks and more recent dynamic ones must be properly managed using the right approaches set against a background of major social and economic stress. Leadership, competence, professionalism and innovation are key.

This session will look at the guiding principles of safe, healthy work in the current pandemic, ways to manage risks associated with restrictions on how and where we work, and how the OSH profession is supporting our Construction Industry, businesses, employers and employees, and their families and communities.

During a very successful 24-year career in the British Army, James attained the rank of Warrant Officer before leaving in 2011. In the last six years, he saw the benefits of Health and Safety as a second career and, using his Army appointments, started to train as a Health and Safety Advisor/Trainer in 2006. Five years later, after leaving the Army and having worked on many health and safety projects, he moved to Babcock International PLC as a HSE Trainer, then Advisor before becoming a Health and Safety Manager for a large Middle East transport group. He has continued working as an H&E Lead in construction, most recently with Multiplex on the iconic Broadway project in London, after leaving Abu Dhabi, where he had been Multiplex's Area OHS Manager.

A Chartered Fellow of IOSH and a member of CIOB, James is also a Fellow of the Chartered Management Institute. He is also Vice-Chair of the IOSH Construction Group.



MR DON WILSON
PAUA BOON
LENG
Senior Manager
(WSHE), Straits
Construction
Singapore Pte Ltd

The New-Norm in Singapore's Construction Industry

Singapore started circuit-breaker from 07 Apr 2020, over the past months, the situation of Covid-19 is gradually eased. In order to keep the virus out from dormitory and community daily, the trend of situation can be improved by ensuring effective SMM in place and adopt to the New Norm in construction industry. To ensure smooth resumption of construction works at the jobsite and protect site personnel's safety and health, we established SMM Implementation/Plan for our companywide. SMM required every individual's disciplines and efforts at the job site and on the full support from all levels, from top management to the ground level workers.

At Straits Construction Singapore Pte Ltd, Mr Don Wilson is heading the overall company safety and health matters. With his 20 over years of experience in Safety, he was also involved in various task force at SCAL safety committee such as Heat stress Management, Silica Task force which in collaboration with SCAL and MOM. Recently, as appointed by Straits Construction Singapore in volunteering to be involved BCA Academy for Staggered rest day arrangement. He was also speaker for WAH forum, JTC Safety and others platform where he shared his implementation with regards of Safety safe practices and innovations.



**MR MICHAEL
TOOMA**

Managing Partner
of Clyde & Co
Australia / Global
Head of Clyde &
Co's Occupational
Health and Safety
practice

Safety Resilience: Rethinking the approach to safety

The COVID-19 pandemic has catapulted safety to the top of the global agenda. While we are still in the midst of our global response with many countries experiencing second waves, there are already certain lessons that can be gleaned. One such lesson is the need to build organisational resilience.

Safety resilience is not a new concept. However, in recent years as pressure has built to deliver greater efficiencies in production, building safety redundancies and contingencies has fallen out of favour with the focus instead being on hazard specific risk management. However, increasingly we are beginning to understand that, in complex systems, it is not prescription that deliver safe outcomes but rather the capacity of workers and the system to adapt and deliver safe outcomes through uncertainty and unanticipated events. A system that promotes that capacity building is better prepared to withstand shocks. This presentation will explore the role of the law and practice of safety in promoting a safety resilience mindset.

Michael Tooma is the Managing Partner of Clyde & Co Australia as well as the Global Head of Clyde & Co's Occupational Health and Safety practice. He is recognised as one of leading health and safety lawyers. While Michael resides in Australia, his work is truly global. He has acted in matters around the world and is often called upon to review the safety management systems of clients in a wide variety of industries globally.

Michael holds a Bachelor of Commerce, a Bachelor of Laws with Honours and Masters of Laws. He is a Fellow of the Australian Institute of Health and Safety and a recipient of its Lifetime Achievement Award.

He has lectured at Sydney University, the University of NSW, Australian National University and University of Auckland.

Michael has written and lectured extensively on OHS law and is the author or co-author of over 20 books. His latest book is on Mental Health at Work and is published by CCH.



MS KATE FIELD
Global Head of
Health, Safety and
Wellbeing, BSI

Digitization in the Built Environment

Within the built environment, construction companies are increasingly adopting digital ways of working as they venture into the fourth industrial revolution. Consequently, we are beginning to see how technology and the use of data can help improve not only the efficiency and performance of workers, but their health, safety and wellbeing. However, for many organizations, HSW and digital transformation are often seen as two isolated strategies.

In this session, Kate will explore how these two strategies can be integrated to bring benefits to individuals and the organization. She will look at:

- BIM, digital twins and predictive analysis
- Smart PPE/Wearables
- IoT, remote and continuous monitoring
- Artificial Intelligence and data analysis

As BSI's global occupational health, safety and wellbeing expert, Kate drives BSI's global strategy for creating a safer and healthier workplace. An ambassador for cultural change, that puts wellbeing, equality, safety and health at the forefront, Kate inspires colleagues and stakeholders globally to make a difference.

With over 20 years' industry experience in occupational health, safety and wellbeing, Kate is a recognized consultant, trainer, lecturer and speaker. Prior to joining BSI, Kate was Head of Information and Intelligence at the Institute of Occupational Safety and Health, leading on H&S research strategy and technical content globally.

Other experience includes Regulatory Inspector, policy and programme lead for the UK Regulator (the HSE), and health and safety expert at AgustaWestland (now Leonardo), Bureau Veritas, easyJet and her own international consultancy business.

TOPICS & SPEAKERS



**DR. IVAN
WILLIAMS
JIMENEZ**

Policy
Development
Manager, IOSH
Authority

ISO 45003 - Guidance on the management of psychosocial risk, as part of an occupational health and safety management system

There are a number of psychosocial issues prevalent in the construction sector that impact on workers' mental health and wellbeing. In this particular sector economic and performance factors appear to be the most stressful. It is therefore important for construction employers and management to consider strategies for assessing and reducing psychosocial risks on the same basis to the so-called physical risks.

The future ISO 45003 'Psychological health and safety at work: managing psychosocial risks' standard will provide comprehensive guidance on the management of psychosocial risks at work, as part of an occupational health and safety management system.

Dr Ivan Williams Jimenez is a policy and advocacy manager at the Institution of Occupational Safety and Health where he leads on global regulatory-related advocacy on occupational safety and health, workplace wellbeing, sustainable corporate governance, social sustainability and decent work in order to maximise IOSH's impact and influence on global policy and practice.



MR DEREK ANG

Deputy Director
(Policy), Audit
& Inspection
Group, Building
and Construction
Authority

BCA's Audit and Inspection Regime & Good Practices for Prevention and Containment of Covid-19 Spread in Worksites

Presently, the most effective safeguard, amongst others, against COVID-19 spread in worksites is the Safe Management Measures (SMM) implemented on site. Effective SMM would help prevent spread and contain any potential outbreak. BCA has implemented an Audit and Inspection (A&I) regime to check on the compliance and effective implementation of the SMM at sites. The presentation will cover BCA's audit and inspection regime, including findings and observations of shortcomings and good practices on site, and how good practices can safeguard the site and workers in the event of a COVID-19 infection.

Derek leads the team on policy planning and ops tech adoption for the Audit and Inspection Group (A&I) in BCA. The A&I Group develops, plans and oversees the safety assessment regime as well as harnesses data from various sources to conduct data analysis, operations planning and control in relation to the COVID-19 situation.

Prior to his current appointment, Derek was part of the team that work closely with Built Environment Trade Associations and Chambers to mobilise resources and champion initiatives to effect industry transformation.

Derek was also earlier seconded to the Ministry of Trade and Industry (MTI). At MTI, he helped create a business-friendlier Singapore by streamlining regulations and processes. Derek holds a Master in Business Administration and Bachelor in Environmental Engineering from the National University of Singapore.



MR ASHITH ALVA

Deputy Chief
Development
Officer,
Singapore &
International,
CapitaLand Ltd

Safety Leadership by Developers

Developers as the key stakeholders of the development have a responsibility to ensure that there is a culture of safety on site. In order to do so, having an independent safety consultant assists the developer in identifying areas where attention is required by the contractor. This helps in regular monitoring and corrective measures being taken. As these are regularly reported to the key stakeholders, it helps bring safety regularly into focus. A case study is shared to demonstrate the effectiveness of engaging such consultants and work with the developers project team.

Ashith has close to 25 years' experience in the Built Environment sector of which close to 20 years is with the CapitaLand group, working on various projects, from AEI works to greenfield developments. Notable AEI's are Raffles City and Bugis Junction and greenfield developments such as The Star Vista and Jewel Changi Airport.



**MR ALLAN LOW
YONG HUI**

Senior EHS
Manager,
Teambuild
Engineering and
Construction Pte
Ltd

Building Resilience in the New Normal - Together, We Can

The COVID-19 pandemic together with the mandated Safe Management Measures (SMM) have brought about great changes to the construction industry and will likely to be in effect for the foreseeable future. The presentation will showcase on how Teambuild Engineering & Construction PL continually adapt and revamp itself to stay relevant in this new working climate. This is followed by the challenges encountered along the way and our organisation's approaches to lead the people out of the crisis and emerge stronger.

Mr Allan Low Yong Hui is currently the Head of Environment Health & Safety Unit in Teambuild Group that oversees 14 entities with multi-disciplinary expertise in the construction sector. He has been with the group for the past 14 years. Allan is actively involved in the industry, currently he is a member of the SCAL WSH Sub-committee and also in the WSH Council (Crane and Lifting) Taskforce. He also participated in various workgroups reviewing and drafting code of practices, standards and training syllabus in the national level. He constantly shares with the industry on WSH related matters in various platforms.

Amidst the COVID-19 pandemic, he continues to play a pivotal role working with various agencies to establish close communication and cascade down key information's to all key stakeholders within Teambuild Group. This greatly reinforces the worksites to resume work smoothly and safely with workers welfare as the priority. He spearheaded in establishing and implementing Safe Management Measures within the group and continues to lead the team in adapting to the new construction normal.

TOPICS & SPEAKERS



MS MARIA PLENGSANGTIP
Partner & Consultant
Psychologist,
iGROW CorpHealth
Pte Ltd

Building Psychological Safety for a Motivating and Engaging Workplace

During the unfamiliar and uncertain times, negative emotions have a tendency to stack up on each other, pile up, and reach unnatural levels. These lead to heightened levels of stress, fear, anxiety, and may even lead to depression and other mental health illnesses. A good company to work for provides not only a physically safe environment but also a psychologically safe one. Psychological safety refers to a workplace where employees receive support, can provide and receive feedback, and raise questions when needed without repercussion. Studies have shown that psychological safety can create a positive impact on confidence, trust, motivation, employee engagement, and productivity.

Maria is the Partner & Consultant Psychologist of iGROW, an award winning psychological consultancy specializing in Leadership, Employee Engagement & Culture. iGROW has helped 450+ corporate clients, completed 700+ consultancy projects, conducted 5,000+ coaching & workshops, impacting 75,000+ employees since 2009.

Maria specializes in helping Human Capital Professionals facing difficulties increasing employee engagement or improving health of their employees by designing and developing customised strategies to achieve better health and employee wellbeing. This frees up their precious time and energy to focus on their many priorities at work.



MR CAN KIRAL
Managing Director,
Tagvance Pte. Ltd

Workforce Tracking Automation

The key factor to fight construction's fatal four is to be able to monitor crowded, extensive, and unsafe construction sites fast and precise in real-time reporting near miss accident frequency and severity rates for progress.

Tagvance provides real time workforce location and status tracking technology. The construction site is equipped with a license free private radio network. The workers and assets are tagged and monitored using low power long range radios. The solution is designed for extensive indoor/semi-confined areas surrounded by concrete & metal with deep coverage and ease of deployment.

Zones are dynamically matched with workers entering into these areas according to skillset and work permits creating automated geo-fences to help solve the challenge of proactively alerting the WSH teams including but not limited to detecting workers entering/exiting exclusion zones, on the fall path of lifted loads using autonomous control of barricade and warning signs.

Can Kiral is a serial entrepreneur and venture builder with a demonstrated track record of working in the industrial Internet of Things domain. Highly skilled in networking, product marketing, start-ups, outsourcing, and business development. Hands on problem solver, creative system architect, and an Industrial Engineer by training and holds MS in Computer Science from Columbia University.

He co-founded Tagvance end of 2017 in Singapore, a PIER71 acceleration program alumni; a collaboration between MPA and NUS Enterprise and is the 1st call winner of the Open Innovation Challenge 2018 organized by IMDA. In less than 2 years, his team has received wide recognition for its innovative solutions, having been awarded twice consecutively by BCA/Enterprise Singapore for Industrial Workforce Tracking Technology. Tagvance collaborates with ASTAR/SIMTech Workforce 4.0 Task Group and holds patents assigned from Nokia and Panasonic in US, Japan, and China.



**MR WOON
CHENG PENG**

Deputy Director,
WSH Institute,
Ministry of
Manpower

Fostering Mental Resilience at the Workplace

There has been increasing attention on psychosocial health of workers and the possible adverse impact of negative work environment. What are the stressors at work that can impact mental well-being and what can companies do to foster mental resilience at the workplace? WSH Institute, Ministry of Manpower will be sharing some trends, research and the iWorkHealth tool for companies to assess the psychosocial health of their employees.

Mr Woon Cheng Peng is Deputy Director, Workplace Safety and Health (WSH) Institute, of the Occupational Safety & Health Division, Ministry of Manpower, where he is responsible for WSH Technology and Applied Research. He is leading a team to integrate and grow the WSH technology ecosystem to disrupt unsafe work behaviours and mitigate risks. In the area of applied research, the current focus is on developing national tools, such as the iWorkHealth.



BCA ACADEMY

200 Braddell Road Singapore 579700
www.bcaa.edu.sg