



# AFRICA OCCUPATIONAL SAFETY & HEALTH TECHNOLOGIES 2021 CONFERENCE

27-28 MAY 2021, EMPERORS PALACE CONVENTION CENTRE, JOHANNESBURG,

## Objectives

- To examine how mental disorders and drug use can affect occupational safety and health.
- To check how organisations are keeping up with the ISO 45001 on safety standards
- To explore new technologies to improve occupational safety
- To assess compliance with safety standards in the workplace

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## Background

**Bussynet Advanced Trading's Occupational Safety and Health Technologies is back at the Emperors Palace Convention Centre in Johannesburg, South Africa.** To be held from the 27<sup>th</sup> and the 28<sup>th</sup> of May 2021, this year's conference will dive deeper into the benefits of using technological applications in keeping workers safe, especially in heavy industrial complexes and mining environments where safety practices are literally the difference between life and death.

Besides, with the climate threat now apparent for all – with the fires destroying whole forests in North and South America as well as Australia – we will explore what corporations can do to help keep their surrounding environments safe for the whole ecosystem. Sustainable growth by corporations is becoming more urgent by the day, as corporate are required to live in harmony with their surrounding nature.

Among other topics, this year, we will focus on the following:

- Virtual reality in OHS
- Wearable safety and health technology
- Safety and Health technologies for sedentary jobs
- Predictive health and safety technology
- Sustainability and the quest for zero harm in industries
- Latest in safety and health requirements and the law
- The future of work and implications for employee wellness

We will also discuss industries most vulnerable to OHS risk, and how they can high standards for health and safety in their respective fields; the conference offers an opportunity to discuss key developments, skills and training and lessons learned – all of which are needed for continuous, industry-wide improvement. It also offers an opportunity for leading practitioners in Health and Safety to come together to network with fellow industry peers and learn from and exchange ideas with those driving change and improvement throughout the sector.

## Objectives

- To explore new technologies to improve occupational safety standards in the workplace
- To assess compliance w
- To examine how mental disorders and drug use can affect occupational safety and health
- To check how organisations are keeping up with the ISO 45001 on safety standards

## Industries

- Mining
- Construction
- Government
- Healthcare
- Logistics
- Security and Policing
- Research and academics
- Manufacturing
- Engineering
- Industry Associations

## Areas of Discussion

- Air pollutants
- Alcohol and drugs
- Conveyors
- Corrosion
- Driver safety
- Electrical safety
- Fire dangers
- Safety clothing
- Mental wellness
- Job hazard analysis
- Machine safety
- Respiratory protection

## Target Audience

- CEO
- Chief Safety Officer
- Compliance Officer
- Coordinator of Loss Control
- Corporate Safety Director
- Data Analyst,
- Directors
- EHS Directors
- Environmental Engineer
- Environmental Health and Safety Advisor
- Environmental Protection Officer
- Environmental Safety Engineer
- Ergonomists
- Federal Government Officials
- Fire Safety Specialists,
- Freight and heavy vehicle professionals
- Hazard Control Specialist
- Health and Safety Practitioner
- Healthcare Administrators,
- Human Resource & Safety Managers
- Industrial Hygienist
- Injury Prevention Specialist
- Loss Control Manager
- Managers; Supervisors
- Medical professionals
- Mine Examiner
- Occupational Health and Safety (OHS) Inspector
- Occupational health and safety professionals
- Occupational Health Business Providers
- Occupational Health Economists
- Occupational Health Management Specialists
- Occupational Health Physicians,
- Occupational Health Practitioner/Nurse
- Occupational Health Practitioners,
- Occupational Health Risk Assessors
- Occupational Health Service Providers
- Occupational Health Surveillance
- Occupational Health Therapists
- Occupational Healthcare Consultancy,
- Occupational Healthcare Nursing,
- Occupational Healthcare Organisations,
- Occupational Healthcare Professionals
- Occupational Healthcare Societies,
- Occupational Healthcare Specialists,
- Occupational Safety and Health Specialist
- Original Equipment Manufacturers
- Policy Makers
- Product Safety Engineer
- Project Managers
- Project Superintendents
- Road safety experts
- Responsible Authority; Employee or Operator Accidents
- Risk & Loss Control Managers
- Risk and Compliance Directors
- Risk Control Specialist
- Risk Manager
- Safety & Training Specialist
- Safety Compliance Officer
- Safety Consultants
- Safety Director
- Safety Director/Manager/Coordinator
- Safety Engineers
- Science and technology organisations
- SHE Officer
- SHEQ Management Experts
- Site Safety & Health Officers
- Social Workers
- Transportation staff
- Vice President Safety and Health
- Wellness Specialist

## DAY 1 27 MAY, 2021

07:30 Registration

08:45 Opening Remarks

09:00 **Connected safety and health technology applications**

- Boosting worker safety
- Ensuring compliance with safety regulations with IoT

**Ronnie Toerien: HCM Sales Development & Strategy Leader - Africa: Oracle**

09:45 **Virtual reality and the future of workplace health and safety training**

**Gerald Ferreira: Founder: Virtual Reality**

10:30 **Mid-Morning Break**

11:00 **KEYNOTE: The state of health and safety technology in Africa**

- What technologies hold the most promise?
- How can we map our risk factors to these solutions?
- How to use technology to achieve Zero-harm goals in the workplace

**Dr Ehi Iden: Occupational safety and Health Managers; Nigeria**

12:30 **LUNCH**

13:30 **Overcoming the challenges of adopting occupational safety and health technologies**

- What does a successful safety technology road map look like?
- Transformation strategies and stakeholder involvement

**Invited Speaker: Justin Nash: Managing Director: IRCA Global**

14:15 **Personal protection technology**

- Protective clothing and technology
- Wearable and sensor technology for safety

**Invited Speaker: Lizelle Swart: Sales Manager: SGS South Africa**

15:00 **Industrial automation and workplace safety**

- Navigating the working relations between humans and robots

**Invited Speaker: Donovan Waller: Group Head of Technology: Anglo American**

15:45 **CLOSING REMARKS; END OF DAY 1**

## DAY 2 28 MAY 2021

08:20 **OPENING REMARKS**

08:30 **The future of work: Implications for occupational health and worker well-being**

- How latest technological advancements will shape future work environments
- What hazards are likely to occur?
- How will workforce demographics shift and how will this affect safety and health?
- Health conditions that will become more prevalent

**Dr Els Dicky: Employee Health and Wellness Consultant: Be Well Program**

09:15 **Safety culture, sustainability and climate change; a case study of the mining industry**

- Cultivating leaders who understand the need for promoting a safety culture in the in the age of climate uncertainties
- Climate change, sustainable growth and workplace safety
- Responsibilities of CEOs and corporate leadership with regards to safety and health

**Invited Speaker: TBA**

10:00 **Mid-morning Break**

10:30 **Predictive safety analytics in the workplace**

- Behaviour-based safety
- Job hazard analysis
- Technology that can assist in understanding fatigue and assisting in preventing injuries

**Invited Speaker: Dr Doug Potter: Director Fatigue Education: Predictive Safety**

11:15 **Compliance with safety rules and regulations**

- Staying abreast with world safety regulations
- Hazard communication
- Ladders and scaffolding
- Respiratory protection
- Protective equipment

**Invited Speaker: Tibor Szana: Chief Inspector; Inspection and Enforcement Services: Department of Labour**

12:00 **Safety, health and well-being during emergencies**

- Considerations for the safety of emergency responders and employee preparedness
- Determining disaster risk factors

**Dr Andre Nel: Director: LLMA Consultants**

12:45 **LUNCH**

13:45 **Occupational Safety and Health and their impact on insurance**

**Invited Speaker: TBA**

14:15 **Strategies for optimising individual and organisational wellbeing, performance and productivity**

- Managing psychosocial risk: practical steps to promote mental health in the workplace
- Mental health and stress; alcohol abuse
- The influence of psychology on worker well-being and performance
- Dealing with fatigue and burnout

**Brent Proctor: Occupational Health and Safety Consultant: University of Cape Town**

15:00 **CLOSING REMARKS: END OF PROCEEDINGS**