

Revolutionizing Health and Safety: The Role of Artificial Intelligence and Digitalization at Work

Date and Venue

- **Date:** Wednesday, April 30th, 2025
- **Time:** 12.00 - 15.30 WIB
- **Venue:** Gran Mahakam Hotel, Jl. Mahakam No.6, Kramat Pela, Kec. Kby. Baru, Kota Jakarta Selatan, Daerah Khusus Ibukota Jakarta 12130

Detailed Agenda:

Time	Session	Person-in-Charge
12.00 – 13.00	Registration Lunch will be provided Video Introduction	ILO
13.00 - 13.05	Opening MC (5')	MC
13.05 - 13.10	Welcoming Remarks (5') Simrin C. Singh, Director ILO Indonesia and Timor Leste	Simrin C. Singh
13.10 - 13.15	Photo taking (5') Group photo all resource persons/speakers, moderator, and all participants	ILO
13.15 - 13.45	OSH & AI Keynote Speech (30') Advancing workplace health and safety with AI • What are the potential benefits and current applications of AI, including in Indonesia, in enhancing occupational safety and health across different industries? • How can AI generate meaningful data and digital tools to help protect workers, and what real-world examples demonstrate successful implementation? • What are the challenges for utilizing AI for occupational safety and health purposes? Existing barriers, undesired impacts (including “techno stress”),	Keynote Speaker Prof. Dr. Ir. Bambang Riyanto Trilaksono (Professor of Electrical Engineering and Informatics, Bandung Institute of Technology (ITB) Co-Founder of Centre of Artificial Intelligence, ITB)

	violation of the privacy and data breaches, reduction in individual initiative and problem-solving capacity.	
13.45 - 14.00	Launching ILO Study on AI and OSH	OSH Group ILO (tbc)
14.00 - 14.40	Panel Discussion (40') Panelist 1: Dr. Mila Tejamaya Director of Campus Wellbeing University of Indonesia Past President of Indonesia Industrial Health Association (IIHA) 1. What are the pressing challenges faced in the implementation of occupational health and safety in Indonesia (regulatory, compliance, data, resources etc)? 2. Can AI facilitate the improvement of working conditions and protection of labour rights in Indonesia? Panelist 2: Ministry of Manpower 1. How does MOM view the use of AI in the workplace – what are the main benefits and challenges that can be envisaged from a policy making standpoint such as lower occupational risk, monitoring of compliance with regulation, data collection, targeting of inspections and remedial interventions. 2. How does MOM intend to review or adapt the legal framework(s) to better protect workers who interact with digital tools and AI, ensuring that these technologies enhance workplace safety while adequately preventing the potential risks? Panelist 3 (<i>Industry Representative</i>): 1. Which AI technologies have been particularly effective in your operational	Moderator: tbc

	projects in Indonesia, and how have they impacted the implementation and compliance of occupational safety and health (OSH) standards? Has there been any tangible impact on productivity via an increase in OSH? 2. How have you addressed implementation challenges such as worker acceptance, integration with existing systems, and human, financial or physical constraints for adoption of AI? What key lessons have been the main lesson learned from utilizing these AI technologies in your OSH practices?	
14.40 - 15.10	Question and Answer Session The moderator will invite questions from the audiences to the panellists and summarize the discussions.	ILO
15.10 - 15.20	Commentary: Herman – KSPSI • Union perspective on the expectation of how AI should be utilized for OSH • Discuss of potential risks from AI adoption in OSH context Commentary: Dr. Rima Melati SpOK (APINDO) • Collaborative initiative among government and private sectors to create safe and healthy working conditions • Investment in skilling and upskilling for workers to ensure workforce can effectively interact with AI	ILO
15.20 - 15.25	Conclusion of the discussion	Moderator
15.25 – 15.30	Closing	MC

tbc: to be confirmed