

Knowledge Futures: AI, Technology, and the New Business Paradigm

IFKAD 2025
2-4 JULY 2025
NAPLES, ITALY

CALL FOR ABSTRACTS – IFKAD 2025

Special Track n.: 34

Thematic Area: KM, AI and Organization Behavior and Processes

Artificial Intelligence in Occupational Health and Safety: Innovating for a Safer Workplace

Description

Artificial Intelligence (AI) is transforming workplace safety and health, offering new tools to create safer environments, especially for young workers who are often more vulnerable due to limited experience and training. This track focuses on how AI-driven technologies can be used to protect young workers and promote a culture of safety, exploring innovative applications and strategies to reduce risks and foster well-being. By bringing together researchers, industry professionals, and educators, this track aims to discuss the latest developments, share success stories, and examine ethical considerations in implementing AI for youth safety at work.

Objectives:

- To explore how AI can be applied to enhance workplace safety and prevent accidents, particularly among young and inexperienced workers.
- To examine personalized safety training programs powered by AI that engage and educate young workers on best practices for occupational safety.
- To discuss how AI can support continuous monitoring and provide real-time feedback to young workers, fostering safer work behaviors and environments.
- To address ethical considerations, such as privacy and consent, when using AI to monitor young employees.
- To identify opportunities and best practices for integrating AI-driven safety programs specifically tailored to the needs of young workers.

Key Topics:

- AI in Hazard Identification and Accident Prevention: Exploring how predictive analytics and machine learning can help identify potential hazards and prevent accidents, focusing on young workers' specific risks.
- Real-Time Monitoring and Wearable Safety Tech: Using AI-enhanced wearables and sensors to monitor environmental conditions and worker well-being, offering instant feedback to young employees in real time.
- Customized Safety Training Programs: AI-based learning platforms that create tailored safety training for young workers, using gamification and interactive scenarios to improve knowledge retention and engagement.

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- **Ethics and Privacy in AI for Youth:** Discussing the ethical implications of monitoring young workers, including the balance between safety and individual privacy, and the importance of transparency.
- **AI-Enhanced Ergonomics:** Implementing AI to assess and improve ergonomics for young workers, reducing physical strain and injury in physically demanding jobs.
- **Mental Health and Well-being Support:** Exploring how AI can help monitor stress levels and provide mental health support, fostering a positive work environment for young employees.
- **AI in Compliance and Safety Standards:** How AI-driven tools can help young workers and employers adhere to safety regulations and standards, minimizing risks and enhancing workplace safety.

Expected Outcomes:

- A comprehensive understanding of how AI can make workplaces safer and healthier for young workers.
- Identification of successful case studies and strategies for integrating AI into workplace safety programs aimed at youth.
- Insight into ethical considerations for responsible AI use, including data privacy, transparency, and consent.
- Networking opportunities to encourage collaboration between AI developers, occupational health professionals, educators, and industry stakeholders.

Target Audience:

This track is designed for AI researchers, occupational safety experts, HR professionals, educators, and industry leaders interested in leveraging AI to improve safety and health for young workers. It will also benefit policymakers focused on creating regulations for safer work environments and anyone interested in the future of workplace safety for the next generation.

Keywords

Artificial Intelligence; Occupational Health; Young Workers; Safety Training; Accident Prevention; Real-Time Monitoring; Workplace Safety; Personalized Learning and Training; Ergonomics; Predictive Analytics; Risk Prevention

Organizers

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[Special Track details published on IFKAD website >>](#)

Guidelines

Researchers wishing to contribute are invited to submit an **EXTENDED ABSTRACT** (in editable format) of **min 500 and max 1000 words** not later than **31 JANUARY 2025**, using the submission procedure available on the website. The abstract should address theoretical

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background, research objective, methodology, and results in terms of expected contribution to Knowledge Management theory and practice. Authors are required to follow the guidelines for both extended abstracts as well as full papers available on IFKAD site: www.ifkad.org

Important dates

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| 31 January 2025 | <i>Extended Abstract submission deadline</i> |
| 24 February 2025 | <i>Acceptance notification to authors</i> |
| 20 April 2025 | <i>Early-Bird registration cut off</i> |
| 02 May 2025 | <i>Full paper submission deadline</i> |
| 31 May 2025 | <i>Registration deadline</i> |
| 2-4 July 2025 | <i>Conference sessions</i> |

For further information

For any information related to the event, please see the event website at www.ifkad.org or contact the conference manager at info@ifkad.org