



Championing Safety with AI: Transforming Safety Culture with Technology

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As advocates for safe, healthy, and meaningful work, we must embrace technologies that drive significant changes in workplace safety culture. This presentation will explore how artificial intelligence (AI), particularly through exception-based monitoring, is revolutionising health and safety management across various industries.

AI technology, especially computer vision, provides a proactive approach to workplace safety by enabling systems to "see" and analyse environments in real-time. This technology helps transform traditional health and safety methods by replacing subjective observations with objective, data-driven insights. Exception-based monitoring focuses on specific incidents where safety protocols may not be followed, allowing for immediate corrective action and coaching with teams and or individuals. This targeted and proactive approach ensures that interventions are both timely and relevant, enhancing safety without intruding on workers' everyday activities.

This session will demonstrate how AI systems can consistently apply health and safety standards across all operations by identifying complacency, risky behaviours and environmental hazards. By integrating these systems, organisations can foster a culture where continuous improvement in safety practices is not only encouraged but facilitated. These systems also provide a platform for ongoing training and development, turning each identified exception into a learning opportunity.

Tane will discuss how AI facilitates a shift in safety culture by making risk management a transparent and integral part of organisational practices. By objectively measuring and comparing risks, AI enables consistent safety enhancements across multiple locations, measuring improvements and ensuring that high standards are maintained cross company.

Participants will leave with an understanding of how to leverage AI to advocate for and implement a proactive safety culture within their organisations. This technology not only supports compliance but also champions a forward-thinking approach to workplace safety, making a meaningful impact on the well-being of all employees in a consistent objective way.

Biography:



Tane van der Boon, founder of Inviol - an AI powered Health & Safety software company, brings a visionary blend of technical expertise and passionate advocacy for workplace safety through AI. His journey began at Vulcan Steel's IT team, where he spearheaded innovative uses of AI for safety sparking the inception of Inviol. Tane's commitment to "teaching computers to see" has transformed how businesses like Vulcan Steel & Woolworths NZ manage workplace hazards. A seasoned speaker, Tane effectively communicates the critical role of AI in enhancing safety protocols and fostering a culture of proactive safety management.