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62 Artificial intelligence and the Future of Work; opportunities and risks associated with worker health and safety

Jay Vietas, NIOSH, Cincinnati, USA

Continued advances in artificial intelligence and the rapid pace of change within the workplace is presenting opportunities improve safety and health conditions for workers, particularly with respect to dangerous or repetitive work. These technologies also present increasing demands on the workforce to adapt and keep up with this technology, and in some cases create job uncertainty, loss of autonomy and privacy concerns. This session will discuss various aspects of artificial intelligence which are transforming how and where work is performed and the implications, both positive and negative, on the safety and health of workers. A description of NIOSH's Future of Work initiative along with considerations for the design, implementation, and maintenance of these systems will be discussed along with guidance for occupational safety and health professionals on methods to assess the risk to workers and implement controls