Special Issue

Occupational Risk Perception, Safety Training, and Injury Prevention in the New Intelligent Yet Complex Work Environments

Message from the Guest Editor

In the tangible future, the emergence of Artificial Intelligence (AI) could make work more intelligent yet more complex, which could significantly alter the safety concept and practice in modern work environments. The operation of "smart" machines in an autonomous cyber-physical system could introduce many new and unexpected factors that redefine the safe human-machine interaction. While new technologies are rapidly reshaping the modern industrial landscape, significant challenges related to their safe application are emerging. The key challenge of occupational risk perception, safety training, and injury prevention in new complex and intelligent environments is to identify major components, e.g., lethalness, prevalence, and control, that influence risk perception and prevention at work. Whether workers engage in safe behavior is influenced by the worker's perception of risks, the judgment on the gravity of the consequences, and the perceived control over hazards. The aim of this special issue is to collect the most recent research related to risk perception, safety training, and injury prevention in new era work environments.

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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

IJERPH provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality peer-reviewed journal.

Editor-in-Chief

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