EDUCATION AND RESEARCH CENTER
ERGONOMICS WEBINAR SERIES

THE UTILITY OF ARTIFICIAL INTELLIGENCE FOR RISK REDUCTION OF MUSCULOSKELETAL DISORDERS

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Northwest Center for Occupational Health and Safety

December 18th, 2024 | 9 - 10 AM HST | 12 - 1 PM PT | 2 - 3 PM CT | 3 - 4 PM ET

Register: coeh.berkeley.edu/24ew1218

About the Webinar:

Work-related musculoskeletal disorders (MSDs) continue to be a critical challenge for workplaces, even as advances in Artificial Intelligence (AI) and smart machines transform the nature of work. In response, the MSD Solutions Lab has released insights into how AI is addressing risk reduction of MSDs. This presentation will explore the report's findings, highlighting AI's transformative potential in workplace health and safety and the challenges that AI brings to MSD prevention.

Learning Objectives:

At the completion of this activity, the learner will be able to:

- Define artificial intelligence (AI)
- Describe the relevance of AI in addressing MSD risk and develop solutions for MSDs
- Identify challenges and opportunities AI can bring to prevent MSDs

Speaker Biography:

Dr. Rammohan (Ram) Maikala joined the National Safety Council, USA, in November 2021 as a Subject Matter Expert and Program Technical Consultant for the MSD Solutions Lab. Previously, he worked as a Senior Injury Prevention and Ergonomics Program Specialist at Providence Regional Medical Center in Everett, Washington, for seven years. At Providence, Ram taught and trained hospital staff on safe patient handling and mobility. Before he arrived at Providence in October 2014, Ram was a Research Scientist for more than 12 years at the Center for Physical Ergonomics, Liberty Mutual Research Institute for Safety in Hopkinton, Massachusetts. Ram has a Doctoral degree in Rehabilitation Science from the University of Alberta, Edmonton, Canada, Masters in Industrial Engineering with special emphasis on Ergonomics and Safety Engineering from West Virginia University, Morgantown, West Virginia, and a Bachelor's in Mechanical Engineering from Osmania University, Telengana, India. He is a Fellow of the Human Factors and Ergonomics Society.

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