WHOLE BODY VIBRATION:
Current Research and Impact on Workers

Presented in partnership with the 2018 American Congress on Human Vibration

COURSE DESCRIPTION

Professionals working in construction, mining, manufacturing, engineering, aerospace, and agriculture may be at increased risk for vibration injuries. Vibration exposures may cause damage to muscles, joints, circulation and nerves, and in some cases may lead to permanent disability. In the United States, 356,910 cases of work-related musculoskeletal disorders (MSDs) resulting in days away from work were reported in 2015.*

Many machines and tools used in the workplace require proper ergonomic assessment, design and layout to reduce and prevent worker exposures to vibration. This 1-day course will provide training on whole body vibration, arm and shoulder vibration basics, current research, and in-depth guidance to aid participants in the management decision-making process concerning task analysis, exposure assessment and the evaluation of resources available to reduce and solve problems associated with vibration-related musculoskeletal disorders.

WHAT YOU WILL LEARN

Upon completion of this course participants will:
• Discuss the sources of whole body and hand-arm vibration
• Describe the National and International standards for vibration assessment and methods for control
• Explain common work-related MSDs and recognize associated risk factors
• Assess how to choose the right tool for the task
• Describe the various controls that can be used to reduce whole body and hand-arm vibration exposures
• Make informed decisions concerning training, job modification and recognize importance of engineering controls, administrative controls and prevention through design


See reverse side for more information.
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JUNE 12, 2018

LOCATION
Cedarbrook Lodge
18525 36th Ave South, Seattle, WA 98188

REGISTRATION
Standard: $195  Government: $145  Student: $97.50

$50 late fee will apply to all registrations after June 2, 2018.

To register, visit osha.washington.edu or call the Northwest Center at 206-543-1069. Government registrations can only be processed over the phone.

WHO SHOULD ATTEND
Business managers and owners with workers involved in: transportation, warehousing, utilities, construction, mining, manufacturing, materials management, food service, health care, etc.; human resource professionals, ergonomists, industrial hygienists, safety and health professionals, primary care professionals, physical and occupational therapists, safety committee members, risk managers, procurement staff, equipment design professionals.

COURSE LEADERS
Pete Johnson, PhD, Professor, Department of Environmental & Occupational Health Sciences; Adjunct Professor, Industrial & Systems Engineering, University of Washington

Dr. Johnson and his lab are nationally and internationally recognized for their work evaluating seating alternatives to reduce vehicle operator exposures to Whole Body Vibration (WBV).

Ren Dong, PhD, Research Engineer, The National Institute for Occupational Safety and Health (NIOSH), Health Effects Laboratory Division (HELD), Centers for Disease Control and Prevention

Dr. Dong and his lab are nationally and internationally recognized for their work evaluating tools and various controls for reducing hand-arm vibration exposures.

ACCREDITATION
American Board of Industrial Hygiene Certification Maintenance (CM) can be obtained for this activity. Go to www.abih.org for CM credit criteria.

INFORMATION
UW DEOHS Continuing Education Programs
Phone: 206-685-3089  E-mail: ce@uw.edu  Web: osha.washington.edu

CONTINUING EDUCATION PROGRAMS
NORTHWEST CENTER FOR OCCUPATIONAL HEALTH AND SAFETY
DEPARTMENT OF ENVIRONMENTAL AND OCCUPATIONAL HEALTH SCIENCES
University of Washington School of Public Health

To request disability accommodation, contact the Disability Services Office at least 10 days in advance at: 206-543-6450 (voice); 206-543-6452 (TDY); 206-685-7264 (FAX); or dso@u.washington.edu (e-mail)