Industrial & Systems Engineering
Seminar Announcement

Professional vehicle operators and whole body vibration: effects on health, accidents and costs

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Abstract: Seat technology has not changed much over the past three decades and the technology surrounding vehicle seating and comfort will be undergoing a renaissance in the next decade. I want to share our research which has identified several new seating technologies which can reduce exposures exposure to Whole Body Vibration (WBV); improve operator comfort, health and productivity; and potentially reduce vehicle operator fatigue and fatigue-related accidents. The ultimate goal of our research is show how health improvement related to reducing WBV can improve cost and productivity gains to the drivers and their employers.

Bio: *Peter W. Johnson* is a Professor in the Department of Environmental and Occupational Health Sciences and earned his Doctorate in Bioengineering from the University of California – Berkeley. He has worked as a researcher at the National Institutes of Occupational Health in the United States, Sweden and Denmark. His research interests surround measuring vehicle operators' exposures to Whole Body Vibration (WBV), developing a better understanding of the adverse health and safety effects that may result from exposure to WBV and improving the health, productivity and well-being of professional vehicle operators.

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