

POZVÁNKA NA SEMINÁŘ

HUMAN COMFORT AND SKILL EVALUATION DURING INTERACTION WITH POWER ASSISTED MOBILE VEHICLES

Kdy: 7. září 2017 od 9.00 – 10.00

Kde: TUL, budova L, seminární místnost (4.003), 4. Patro

Lektoři: *Dmitri Kochubey*
Doctoral candidate at Technical University of Liberec

Abstract:

This part of the research is dedicated to encountering estimation criteria in order to determine human operator comfort during the interaction with industrial cart as the cart is moving loads on the working surface. A human operator and an industrial cart will process carrying task. Cart supports motions of the human. Based on operator's force input it is proposed to extract comfort evaluation criteria. Compliance acceleration controller is applied to the industrial cart. A chain of experiments with the developed industrial cart were performed to verify the selected criteria. As a result, user acceptability was improved.