

Session 1D. Robotics, Automation, and Control 2
Moderator: Jun Wang (Mississippi State University)

- 10:00** #86. Evaluation of Machine Learning Algorithms for Worker's Motion Recognition using Motion Sensors
Kinam Kim, Jingdao Chen and Yong K. Cho
- 10:15** #393. Real-time Hazard Proximity Detection – Localization of Workers Using Visual Data
Idris Jeelani, Hariharan Ramshankar, Kevin Han, Alex Albert and Khashayar Asadi
- 10:30** #375. A computational framework for characterizing multiple object tracking methods in construction field applications
Jiawei Chen and Pingbo Tang
- 10:45** #7. Sequential Pattern Learning of Visual Features and Operation Cycles for Vision-based Action Recognition of Earthmoving Excavators
Jinwoo Kim, Seokho Chi and Minji Choi
- 11:00** #172. Modelling and control of an unmanned excavator vehicle for Dangerous works at Construction Field
Joo-Sung Lee, Byeol Kim, Dong-Ik Sun, Chang-Soo Han and Yong-Han Ahn
- 11:15** #356. Automatic Wall Defect Detection Using an Autonomous Robot: A Focus on Data Collection
Jun Wang and Chaomin Luo
- 11:30** #398. Real-time Scene Segmentation Using a Light Deep Neural Network Architecture for Autonomous Robot Navigation on Construction Sites
Khashayar Asadi, Pengyu Chen, Kevin Han, Tianfu Wu and Edgar Lobaton
- 11:45** #10. Planning and Execution for Geometrically Adaptive BIM-Driven Robotized Construction Processes
Kurt Lundeen, Vineet Kamat, Carol Menassa and Wes McGee