

Session 3C. Built Environment and Infrastructure Monitoring, Assessment, and Maintenance I
Moderator: Nazila Roofigari-Esfahan (Virginia Tech)

- 15:00** #410. A Deep Learning Based Automated Structural Defect Detection System for Wastewater Pipelines
Srinath Kumar and Dulcy Abraham
- 15:15** #307. A Connected Work Zone Hazard Detection System for Highway Construction Workers
Wenjun Han and Nazila Roofigari-Esfahan
- 15:30** #264. Feasibility Assessment of Heat Flux Sensor for the Human-in-the-loop HVAC Operation
Wooyoung Jung, Matthew Chan, Farrokh Jazizadeh and Thomas Diller
- 15:45** #24. A Scalable Cyber-Physical System Data Acquisition Framework for the Smart Built Environment
Xinghua Gao, Pardis Pishdad-Bozorgi, Dennis Shelden and Shu Tang
- 16:00** #278. Video-based Activity Forecasting for Construction Safety Monitoring Use Cases
Shuai Tang, Mani Golparvar-Fard, Milind Naphade and Murali Gopalakrishna
- 16:15** #73. Top-Down Partitioning of Reinforced Concrete Bridge Components
Yipu Zhao, Haotian Wu and Patricio Vela
- 16:30** #42. CLOI: A Shape Classification Benchmark for Industrial Facilities
Eva Agapaki, Alex Glyn-Davies, Sara Mandoki and Ioannis Brilakis