

Session 5F. Built Environment and Infrastructure Monitoring, Assessment, and Maintenance 4
Moderator: Sharareh Kermanshachi (University of Texas, Arlington)

- 15:15** #247. Vision-Model-based Real-time localization of unmanned aerial vehicle for autonomous structure inspection under GPS-denied environment
Zhexiong Shang and Zhigang Shen
- 15:30** #351. Optimizing the socioeconomic benefit of post-disaster strategy by prioritizing reconstruction of damaged facilities
Pedram Ghannad, Yong-Cheol Lee, Carol Friedland and Eunhwa Yang
- 15:45** #342. Identification, Categorization, and Weighting of Barriers to Timely Post-Disaster Recovery Process
Behzad Rouhanizadeh, Sharareh Kermanshachi and Thahomina Jahan Nipa
- 16:00** #223. Information Requirements for Virtual Environments to Study Human-Building Interactions during Active Shooter Incidents
Runhe Zhu, Burcin Becerik-Gerber, Gale Lucas, Erroll Southers and David V. Pynadath
- 16:15** #392. Precision Comparison of CNNs for Detection of Concrete Deterioration Types from Digital Images
Satoshi Anai, Nobuyoshi Yabuki and Tomohiro Fukuda
- 16:30** #236. Planning and Monitoring of Building Energy Demands under Uncertainties by Using IoT Data
Soowon Chang, Daniel Castro-Lacouture, Kanae Matsui and Yoshiki Yamagata
- 16:45** #164. Bridge Damage Prediction Using Deep Neural Networks
Soram Lim and Seokho Chi
- 17:00** #290. Impact of Ground Subsidence on Groundwater Quality: A Case Study in Los Angeles, California
Mohammad Khorrami, Mohsen Hatami, Babak Alizadeh, Hedieh Khorrami, Peyman Rahgozar and Ian Flood