

Session 6B. Human-technology Frontier 2
Moderator: Fei Dai (West Virginia University)

- 13:00** #119. Development of the Effective Communication Network in Construction Projects Using Structural Equation Modeling Technique
Elnaz Safapour and Sharareh Kermanshachi
- 13:15** #196. Localizing Local Vulnerabilities in Urban Areas using Crowdsourced Visual Data from Participatory Sensing
Hongjo Kim, Youngjib Ham and Hyoungkwan Kim
- 13:30** #18. Identifying A Ranking Method for Assessing the Potential Risk of Knee Musculoskeletal Disorders among Roofers in Shingle Installation
Amrita Dutta, Scott P. Breloff, Fei Dai, Erik W. Sinsel, Christopher M. Warren and John Z. Wu
- 13:45** #421. Evaluating Generated Layouts in a Healthcare Departmental Adjacency Optimization Problem
Jennifer Lather, John Messner, Timothy Logan and Kate Renner
- 14:00** #97. Human Comfort Aggregation Modeling based on Social Science Theory: Towards a Comfort-driven Cyber Human System Framework
Lu Zhang and Shankar Sanake
- 14:15** #28. Prototype Development of a Tactile Sensing System for Improved Worker Safety Perception
Sayan Sakhakarmi, Jeewoong Park and Chunhee Cho
- 14:30** #91. Robustness Analysis of Design Phase Performance Predictors Using Extreme Bounds Analysis (EBA)
Sharareh Kermanshachi and Behzad Rouhanizadeh
- 14:45** #373. Biomechanical Analysis of Manual Material Handling Tasks on Scaffold
Srikanth Sagar Bangaru, Chao Wang and Fereydoun Aghazadeh