

“Employing eldercare technologies for over a decade in TigerPlace: what worked and what didn’t”

TigerPlace is an aging in place facility situated in Columbia, Missouri, USA. Most apartments in TigerPlace are fitted with monitoring systems that provide 24/7 information and alerts for clinicians. For over a decade we deployed and used in clinical practice various technologies such as depth cameras, radars, infrared sensors, etc. for addressing clinical problems encountered in elderly such as falls, fall risk, activity level and sleep quality. We will provide an overview of our existent monitoring system together with our success stories (such fall detection and gait recognition using depth camera) and our failures (blood pressure monitoring, radar and acoustic fall detection). We will also show some reasons of our failures and what could be done in other settings to avoid them.