

Part2. Indoor space safety monitoring against injured occurrence due to furniture overturned.

Tadayoshi Nakashima[1]; Shigeyuki Okada[2]

[1] Graduate School of Engineering
,Nagoya Institute of Technology.; [2] NITECH

We propose a seismic alert system monitoring the structural capacity of individual house and recognizing automatically the indoor risky space with computer vision as an application of the earthquake early warning. In the part 2, we developed the active evacuation system for no injuries in individual household using earthquake early warning. This system has the function capable of automatically recognizing the dangerous floor plane out of indoor spaces by applying the one-point perspective projection and safely guiding by artificial voice the people stayed in the dangerous spaces in an emergency case of getting the earthquake early warning start. The result of the present study will contribute to reduce human casualty in indoor space.