
BUILDING SAFETY & SECURITY GROUP

The Building Safety and Security Group conducts research related to the reduction of injury and loss to users of buildings. Investigations are underway in emergency egress computer simulation, mobile home egress, acceptable risk analysis, safety symbols testing, security analysis and demonstration, problems of slips and falls, and usefulness of buildings for the handicapped.

The systems approach is emphasized with special attention devoted to the trade-offs between conflicting goals in safety and security. Characteristic of the Group's research is its concern with three considerations related to building users and user activity:

- Regular or normal use patterns
- Emergency use patterns
- Special user group requirements.

Addressing both new and existing concepts of design, the Group pursues a better understanding of user interaction with building elements. Laboratory investigations, field studies, and mathematical modeling techniques are utilized in this work.

Research results are presented in the form of building design requirements and guidelines, proposed standards and codes provisions, guides to successful retrofit, and interaction within the design and research communities.

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