Research for Urban safety

NUMADA Lab.
[Disaster Management Process, System and Training]
International Center for Urban Safety Engineering, ICUS

Civil Engineering
Disaster Process Engineering
Interfaculty Initiative in Information Studies

http://www.numa.iis.u-tokyo.ac.jp/top.html

Problems of disaster responses
Who is BOSS?

Disaster response support system: BOSS
Process * Information * Functional layout ⇒ Effective responses

Disaster response process

Functional location
Evacuation Self-defense Debris
Material logistics Volunteer Public house
Temporary house
Integrating analysis of route and functions
Everybody needs land area!!

Characteristics of BOSS: Standard of processes
Defining 500 processes for 47 kinds of disaster responses

47 kinds of disaster responses

Design of disaster response Training center

Use during real disaster sites
Standards (Process, Tools, language)

Process
ICT + IoT + A.I.
Facility/ Equipment/ tools

Curriculum for education and Training of disaster responses

Update

International coopeation

Mission
Contribution of disaster mitigation and reduction by Systematic education and real training

Purpose
(1) Acquire the ability to design the total disaster response processes
(2) Have the confidence for disaster responses

Program
Provide the program to have Understand, Design, Confidence for the people

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