

# NUMADA LAB.

## Disaster Management Training by Critical Thinking



Department of Human and Social Systems

Department of Civil Engineering, Graduate School of Engineering  
Emerging Design and Informatics Course Interfaculty Initiative in  
Information Studies

Disaster Management Process Engineering

<https://tdmtc.tokyo/>



**Past experience**

- 2011 Tohoku disaster ...
- 2016年 Kumamoto earthquake
- Database of past experience
- North Kyusyu heavy rain
- 2018 Western Japan heavy rain

**Standard Process/ modeling**

Based on the past disaster management research results, 47 kinds of response categories and 500 processes are defined

**Technology/ Social System**

- Business Operation Support System (BOSS)
- Voice - text Analyzer
- Drone system
- Ground survey system etc.

**Training**

All photos: Trial training

- (1) Nov. 27<sup>th</sup> to 30<sup>th</sup>, 2018 (4days) @Minami izu town: 70 participants
- (2) Dec. 19<sup>th</sup> to 21<sup>th</sup>, 2018 (3days) @IIS: 50 participants
- (3) Feb. 12<sup>th</sup> to 15<sup>th</sup>, 2019 (4days) @Minami izu town: 120 participants
- (4) March 13<sup>th</sup> to 15<sup>th</sup>, 2019 (3days) @IIS: 60 participants

Use of former Mihama Elementary School which became abolished school in Minamiizu Town. For regional revitalization Contribution

**DMTC**

Training starts from October 2019: Systematic and practical training for central and local governments, business sectors/ companies, local disaster prevention leaders, etc.

**Real Disaster**

2016 central Italy earthquake

Support for the real disaster field by DMTC team

2018 Kurasiki city