



東北大学 災害科学国際研究所
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ICT Use in Disaster Evacuation of ASEAN Citizens: Lessons Learned from the 2011 Great East Japan Earthquake and the 2016 Kumamoto Earthquakes

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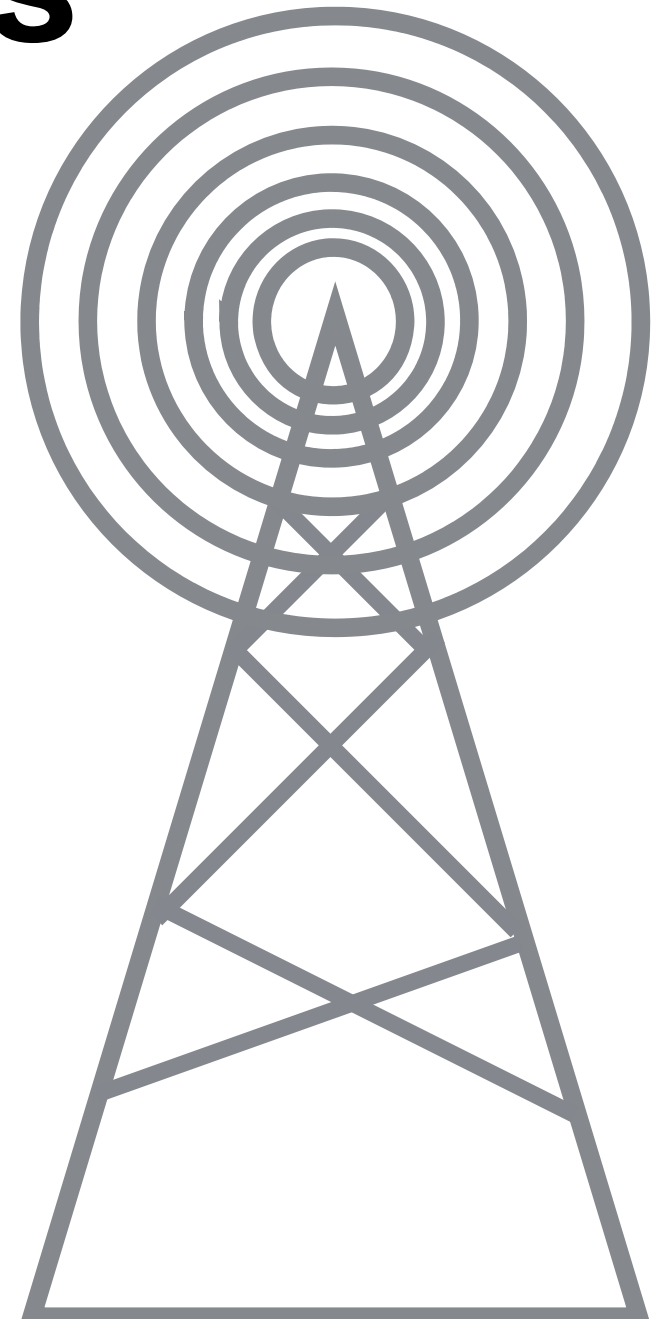


JASTIP-WP4 Symposium :: March 22, 2017



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- Research Team's Activities
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Research Timelines

We're here

JASTIP-Net 2016

- **Apr-Jun:** Encoding and data analysis
-: Interviews with key actors in Malaysia

2018

-: Interviews with key actors in Malaysia
-: Research coverage expanding
- **Disaster education**
- **Disaster awareness**
- **Community collaboration**

Achievements (as of March 2017)



TJIA 2016



BJRS 2017

- **Conference presentations**

- Leelawat, N., Suppasri, A., Latcharote, P., Yasuda, M., & Imamura, F. (2016, October 29). Evacuation of Thai Citizens during the 2016 Kumamoto earthquakes. *The 8th Thailand-Japan International Academic Conference Book of Abstract* (p. 50), Tokyo: Thai Students' Association in Japan under the Royal Patronage.
- Leelawat, N. (2017, February 18–21). Disaster and safety management in Japan: A focus on tourism and ICT. *Bilateral Joint Research Seminar (BJRS) between Japan and Korea*, Naha, Okinawa, Japan.

- **Academic article**

- (under review) Leelawat, N., Suppasri, A., Latcharote, P., & Imamura, F. Evacuation operation of Thai citizens during the 2016 Kumamoto earthquakes.

Introduction

Earthquakes in the area



2016 Kumamoto Earthquakes

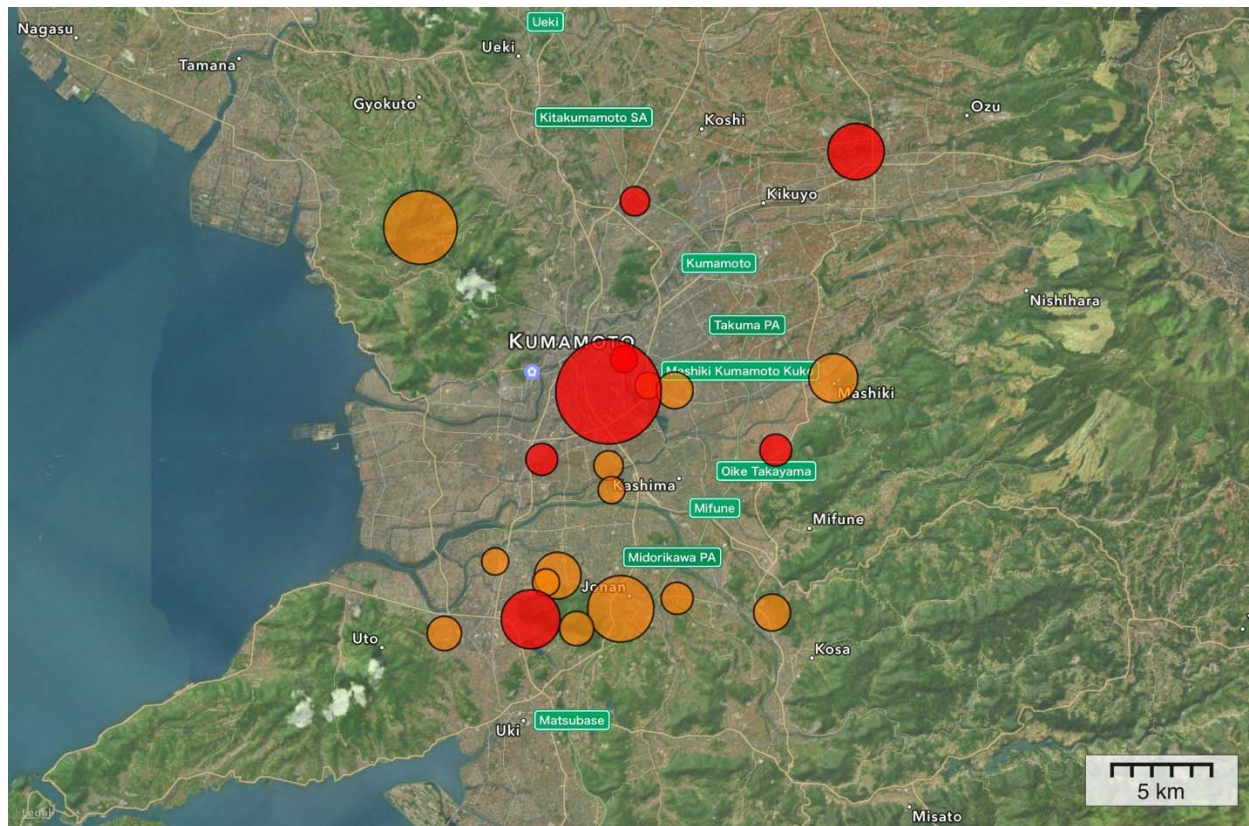


Image source: <http://epicentral.net/epicentral-channel-sets-blog/2016/4/15/kumamoto-shi-japan-15-april-2016-m-70.html>

2016 Kumamoto Earthquakes

- 平成28年熊本地震 (Heisei 28-nen Kumamoto Jishin)

Shake Series of the 2016 Kumamoto Earthquakes

Date	Time (JST)	Epicenter	Magnitude	Shindo
14 Apr 2016	21:26	Kumamoto Pref.	6.5	7
14 Apr 2016	22:07	Kumamoto Pref.	5.8	6 lower
15 Apr 2016	00:03	Kumamoto Pref.	6.4	6 upper
16 Apr 2016	01:25	Kumamoto Pref.	7.3	7
16 Apr 2016	01:45	Kumamoto Pref.	5.9	6 lower
16 Apr 2016	03:55	Kumamoto Pref.	5.8	6 upper
16 Apr 2016	09:48	Kumamoto Pref.	5.4	6 lower