



Session Program

Program of 4ACUDR Full Paper Presentation Sessions

14:50-16:20, November 26, 2017 (Two parallel sessions) IRIDeS Tohoku University

Session 1: Understanding Disaster Risk

Session 2: Disaster Management System

16:30-18:00, November 26, 2017 (Two parallel sessions) IRIDeS Tohoku University

Session 3: Risk Communication and Community Resilience

Session 4: Emergency Response, Recovery and Reconstruction

ACUDR Forum Session Current Situation and Problems on Risk Communication in Asia

13:45-15:15, November 27, 2017 (Sakura 2 Room, Sendai International Center)

ACUDR Keynote presentations

Session 1: Understanding Disaster Risk

14:50-16:20, November 26, 2017.

1. Youngseok SONG, Hwandon JUN, Sangdan KIM, Jungho LEE and Moojong PARK Study on the Disaster Prevention Rainfall Using RCP 8.5 in South Korea
(A19: [Abs](#), [Paper](#))
2. Kana NAKATANI, Yuji HASEGAWA and Yoshifumi SATOFUKA
Debris Flow Hazard Area Considering Urban Development on Mountainous Areas
(A07: [Abs](#), [Paper](#))
3. Saki YOTSUI, Maki KOYAMA and Junji KIYONO
Fatality Model for Tsunami Disaster: a Case Study from the 2011 Great East Japan Tsunami and the 2004 Indian Ocean Tsunami
(A03: [Abs](#), [Paper](#))
4. Okjeong LEE, Jeonghoon LEE, Moojong PARK, and Sangdan KIM
Future PMP projection of Nuclear Power Plants Considering Climate Change
(A38: [Abs](#), [Paper](#))
5. Kiyomine TERUMOTO
The Wide-area Disaster Potential of the Nankai Trough Earthquake
(A13: [Abs](#), [Paper](#))
6. Gaku SHOJI and Shiori ITO
Evaluation Framework of Functional Disruption of Road Networks in a Tsunami Disaster
(A35: [Abs](#), [Paper](#))
7. Jung J. KIM
Development of Deformed Nanofibers to Enhance Ductility of Cementitious Materials
(A34: [Abs](#), [Paper](#))
8. Yuta SUZUKI and Eiichi ITOIGAWA
Safety Evaluation Model of Evacuation Guiding in Real Time Response under Post-Earthquake Fires
(A04: [Abs](#), [Paper](#))
9. Toshihisa TOYODA
Toward a Long-term Economic Damage Reduction from an Urban Disaster (Lessons from the 1995 Kobe Earthquake)
(A23: [Abs](#), [Paper](#))

Session 2: Disaster Management System

14:50-16:20, November 26, 2017.

1. Takafumi SHINYA
Current Situation of Disaster Risk Reduction System and its Challenges in Indonesia
(A18: [Abs](#), [Paper](#))
2. Seunghoo JEONG and Dong Keun YOON
Examining the Contributing Factors of the Adoption of Flood Insurance in Korea
(A33: [Abs](#), [Paper](#))
3. Michiko BANBA, Miho OHARA, Hitoshi NAKAMURA
Systems for Flood Risk Information Disclosure in Real Estate Transaction through the Comparison of systems of France, England, US and Japan
(A37: [Abs](#), [Paper](#))
4. Satoru NISHIKAWA
Development of 'Ichi-Nichi-Mae Project' for Disaster Awareness & the Possibility of Technical Transfer to Other Disaster-Prone Countries ; 'If We were Back the Day before the Disaster, How can We better Prepare?'
(A29: [Abs](#), [Paper](#))
5. Mayumi SAKAMOTO and Maki KOYAMA
Challenges to Establishing a Compact Community Disaster Management System
(A10: [Abs](#), [Paper](#))
6. Yasmin BHATTACHARYA, Takaaki KATO, Yuuichi YAMAGUCHI and Ryo KAMADA
Tsunami Resilience Planning of Izu City
(A28: [Abs](#), [Paper](#))
7. Shohei BENIYA
Collaborative Community-Based Disaster Management toward Multi-stakeholder Governance: Cases in Osaka City and Kawachi-Nagano City
(A16: [Abs](#), [Paper](#))
8. Seiko MORI and Ryuta TANIGUCHI
Clear Contents on Japan's Most Advanced Disaster Prevention Information
(A32: [Abs](#), [Paper](#))

Session 3: Risk Communication and Community Resilience

16:30-18:00, November 26, 2017.

1. Turniningtyas A. RACHMAWATI and Dwi RAHMAWATI
Assessment of Disaster Capacity of the Communities for the Mount Bromo Eruption at Ngantang Sub-District Probolinggo District
(A05: [Abs](#))
2. Shinichiro MORI and Tsuyoshi HATORI
Personal Disaster Measure Card Intended to Stimulate Metacognition and Social Comparison – Development and Effectiveness –
(A24: [Abs](#), [Paper](#))
3. Hamilton CHENG
A Risk Communication Approaching into Taiwan Early Warning Delivery Network during the Extreme Disasters (A corrective measure by simulating the impact of Great East Japan Earthquake)
(A15: [Abs](#), [Paper](#))
4. Maki KOYAMA, Akiyoshi TAKAGI, Nobuoto NOJIMA and Harumichi MURAOKA
A Prototype Education Program to Foster Talented People Who Take Action Initiatively for Regional Disaster Prevention
(A12: [Abs](#), [Paper](#))
5. Anna MATSUKAWA and Shigeo TATSUKI
Community Based Crime Prevention through Social Capital: Two Year Panel data of Kyoto City Neighborhood Association Survey
(A22: [Abs](#), [Paper](#))
6. Yi-Chung LIU and Min-Hui TSENG
NGO-Academic Collaboration in Community-Based Disaster Risk Reduction (A Case Study in an Indigenous Community)
(A26: [Abs](#), [Paper](#))
7. Michitaka UMEMOTO
Analyses on Residents' Intentions to Take Prior Countermeasures against Liquefaction in Relatively High Risk Area
(A01: [Abs](#), [Paper](#))
8. Masaru ARAKIDA and Yujiro OGAWA
Town-Watching for Disaster Risk Reduction Utilizing ICT Tool
(A25: [Abs](#), [Paper](#))
9. Miho OHARA, Hisaya SAWANO, Michiko BANBA and Hitoshi NAKAMURA
Analysis on Residents' Attitudes toward Risk-Based Floodplain Regulation of Shiga Prefecture in Japan
(A27: [Abs](#), [Paper](#))

Session 4: Emergency Response, Recovery and Reconstruction

16:30-18:00, November 26, 2017.

1. Zhila POOYAN and Akihiko HOKUGO
Disaster Recovery and Sustainability: How Recovery Could Affect the Future Development of Cities
(A36: [Abs](#), [Paper](#))
2. Shunichi KOSHIMURA and Joachim POST
Enhancing Earth Observation and Modeling for Tsunami Disaster Response
(A11: [Abs](#), [Paper](#))
3. Elizabeth MALY, Aiko SAKURAI, and Kanako IUCHI
Evolving Relationships of Housing and School Recovery within Large Scale Residential Relocation in Tacloban City after Typhoon Yolanda
(A21: [Abs](#), [Paper](#))
4. Fuminori KAWAMI, Anna MATSUKAWA, Shosuke SATO and Shigeo TATSUKI
The Effect of Temporary Housing Types on Permanent Housing Relocations
(A02: [Abs](#), [Paper](#))
5. Shu-Mei HUANG and Valagas GADELJEMAN
Disaster Tourism and Disaster Reduction in Southern Taiwan
(A14: [Abs](#), [Paper](#))
6. Akiko IIZUKA
Coordination Efforts in the Case of the 2016 Cyclone Roanu in Sri Lanka
(A08: [Abs](#), [Paper](#))
7. Ryosuke AOTA, Tara Nidhi LOHANI, Yuko ARAKI, Michiko BANBA, Masahiko MURATA and Yoshiteru MUROSAKI
Consideration on the Government Capacity and Coordination in Nepal after the 2015 Nepal Earthquakes
(A09: [Abs](#), [Paper](#))
8. Zijian LIU and Takeyasu SUZUKI
Quantitative Evaluation of the Effect of Presence of Regional BCP on Disaster Response
(A17: [Abs](#), [Paper](#))
9. Aya KUBOTA, Misa LEE, Takuya HAGIWARA, Akinobu MASUMURA, Naoto NIZUMA and Marina KITAHAR
The Role of the Autonomous District in the Process of Recovery from the Disaster of the Nuclear Accident in Fukushima
(A20: [Abs](#))

ACUDR Forum Session

Current Situation and Problems on Risk Communication in Asia

13:45-15:15, November 27, 2017

ACUDR Keynote presentations

Satoshi TANAKA, Kishie SHIGEKAWA, Yohei UEOKA, Takuya BABA and Hiroshi ANDO
Damage Inspection Tips for Housing Owners: TORISETSU

(A30: [Abs](#), [Paper](#))

Wei-Sen LI, Chi-Ling CHAN, Sophia Yanling LEE, Ke-Hui CHEN
Risk-Communication-Based Information Designed for Decision Making at Times of Disasters

(A06: [Abs](#), [Paper](#))

Younhee KIM

Risk Communication Practices: Before, During and After Disasters

(A31: [Abs](#), [Paper](#))