9TH INTERNATIONAL SOCIETY FOR
INTEGRATED DISASTER RISK MANAGEMENT

2ND - 4TH OCTOBER 2018
SYDNEY, AUSTRALIA

DATA DRIVEN
APPROACHES
TO INTEGRATED DISASTER MANAGEMENT

IMAGE: DESTINATION NSW

Program of Young Scientist Session

Day 2 WEDNESDAY 3 OCTOBER

9:50 am to 11:20 am: Oral presentation session (Three parallel sessions)
11:20 am to 12:30 pm: Poster presentation session

Oral presentation sessions

Young Scientist Session 1
Room: Leighton Hall
Chair: Ray Cohen

1. Jihane Elyahyioui

    Efficient simulation of flood events using machine learning

2. Kengo Imaizumi

    How has the impact of two earthquake risk assessments on real estate changed?

3. Tomomi Asahina

    Study on Setting Method of Optimum Coastal Embankment Height Using Cost-Benefit Analysis in A Town Utilizing Coasts as Tourism Resources

4. Michiya Morisaki

    Estimation of economic value of Eco-DRR with hedonic approach

5. Junlin Zhang

    The assessment of mortality risk to rainstorm and flood in China under climate change

6. Qi Sui

    Joint probability model of location and magnitude for earthquake-triggered landslides

7. Yimeng Liu

    Evolution of an ecological network and patch importance: a case study in Sichuan province, China

8. Xiaolong Luo

   Study of Natech events recorded in the NRC database from 1990 to 2017 using on Deep Learning methods

9. Natsumi Okada

   Constructing Cross-Curriculum Disaster Prevention Education Using a Seismograph at an Elementary School

10. Mauricio Caroca

    Data integration for flood modelling of the Copiapó basin in Chile using Swift

Young Scientist Session 2
Room: Gallery 1
Chair: Wei Xu

1. Genta Nakano

   The "Relaying Effect" of Education for Disaster Risk Reduction: A Case Study in Nuwakot District, Nepal

2. Xuelei Zhang

   Dynamic Diagnosis of Vegetation Recovery and Risk Management of Mountain Hazards after Wenchuan Earthquake

3. Reiko Hoda

   Fostering Reciprocity for Disaster Preparedness in Diverse Communities: A Case Study from the Support Group "Ciranda" in Handa City

4. Dimitrios Tzioutzios

   Appetite for Natech Risk Information Disclosure in Japan

5. Yizhong Lin

   Practical Study of the Experiential Learning Game "Nodamon": Exploring the Possibility of Third Generation Disaster Prevention Learning

6. Yasuhito Kawata

   Preparing Operation Manuals for Each Evacuation Shelter with Residents Committee.

7. Devina Khoirunnisa Ariyanta

   Modelling Evacuation Order Effects on Protective Actions in Communities during a Natech Accident

8. Ryohei Miyamae

   Recovery from disaster with "当事者 (Tojisha, people concerned)"

Young Scientist Session 3

Room: Gallery 2

Chair: Muneta Yokomatsu

1. Zheng Hao

   Evaluating seismic risk of county city with the Vulnerability Index Method, a case study in Jiangyou, China

2. Bikash Adhikari

   Stability of mountain Foot-trails after the Gorkha Earthquake 7.8 Mw: A resilient rehabilitation of Trails in the epicenter area

3. Xavier Forsman

   Indigenous perspectives of disaster recovery: A case study from New Zealand

4. Takashi Sugiyama

   A Study on Influences of a Seismic Intensity Scale used in Media on Residents' Perception of Earthquakes

5. Yanyi Liu

   Spatio-temporal characteristics of tourist market for disaster site dark tourism destination: The comparison between Wenchuan Museum and Jiuzhai Valley

6. Hiroaki Daimon

   Visualizing the circulation of "debt": Post-disaster community voluntarism and the "Pay-it-Forward" network in Japan

7. Lianjie Qin

   A dynamic shelter location and allocation model for typhoon disaster

8. Masaya Hanafusa

   A Case Study on the "Location Optimizing Plan" for Implementing Ecosystem-based Disaster Risk Reduction (Eco-DRR) measures in Shiga Prefecture, Japan

9. Yan He

   Spatial-temporal patterns of economic exposure to rainstorm and influencing factors contribution in Hubei province

10. Taketo Shizuma

    Effect of the Support Person on the People who Suffered from Damages Caused by the Great East Japan Earthquake