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964th Conference

# Scientific Program

International Conference on

# Natural Hazards and Disaster Management

**June 01-03, 2017 Osaka, Japan**



**Hosting Organization: Conference Series LLC**
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## Day 1 June 01, 2017

**09:00-09:15** **Registrations**

**Hall @ Crystal**

conferenceseries.com **09:15-09:30** **Opening Ceremony**

## Keynote Forum

Introduction

**9:30-10:10**
**Title: The geophysical precursors of earthquakes: Emission of radon-222 and ionizing radiation in imminent earthquakes – The proposal of a seismic warning network for Ecuador**
**Gualtiero A N Valeri,** Santa Rita University of Rome, Italy

**10:10-10:50**
**Title: Wireless sensor network for monitoring and early warning system of landslides**
**Sangseom Jeong,** Yonsei University, Korea

**Group Photo**

Networking and Refreshments Break 10:50-11:10 @ Foyer

**11:10-11:50**
**Title: Macro level analysis of sea level rise effect on pavements structural capacity**
**Hesham Ali,** Florida International University, USA

Session:
Geological Disasters and Earthquakes | Geographic Information & Remote Sensing | Disaster Risk Management | Alarming Alerts and Early Warning Systems

Session Introduction

**Session Chair: Sangseom Jeong,** Yonsei University, Korea
**Session Co-chair: Hesham Ali,** Florida International University, USA

**11:50-12:15**
**Title: Remote sensing of forest fire**
**Rosa Lasaponara,** University of Basilicata, Italy

**12:15-12:40**
**Title: Seasonal color Spectrophotometric variation of dust sample within Kuwait**
**Mustafa A Al-Shamali,** Kuwait Institute for Scientific Research, Kuwait

**12:40-13:05**
**Title: Monitoring water quality of inland lakes by remotely sensed observations**
**Wei Yang,** Chiba University, Japan

Lunch Break 13:05-14:05 @ 1F Restaurant "The Café"

**14:05-14:30**
**Title: Interaction of Sb(III) under sulfide-rich reducing environment: Batch and spectroscopic investigations**
**Young-Soo Han,** Korea Institute of Geoscience and Mineral Resources, South Korea

**14:30-14:55**
**Title: Water quality in relation to phytoplankton abundance and density of mining-impacted river in Zambales, Central Luzon, Philippines**
**Rowena R Sazon,** Ramon Magsaysay Technological University, Philippines

**14:55-15:20**
**Title: Effect of frequent policy change on disaster preparedness and systemic resilience**
**John K Buor,** Ghana Institute of Management and Public Administration, Ghana

**15:20-15:45**
**Title: Cell density and chlorophyll a content of *Navicula* sp. exposed to the different concentrations of pesticide cypermethrin**
**Fantonalgo Raymund N,** University of the East-Manila, Philippines

Coffee Break 15:45-16:00 @ Foyer

**16:00-16:25**
**Title: Study and design of Gensai products: Reducing the amount of damage after natural disasters- The case study of creative ideas of Iranian and Japanese students**
**Rozita Farzam,** University of Tehran , Iran

**16:25-16:50**
**Title: Fluctuating asymmetry in morphometric and meristic traits of white goby (*Glossogobius giuris* Hamilton, 1822) as indicator of stress in the east bay of Laguna lake, Philippines**
**Lorenz J Fajardo,** Central Luzon State University, Philippines

**16:50-17:15**
**Title: Doomsday rehearsal: Architecture for pre-disaster learning and 2020 Tokyo Olympics the year of disaster prevention global classroom**
**Choon Yong Heng,** Curtin University, Australia

**17:15-17:35**
**Title: How can we reduce the fatal impact of natural disasters on human life through rescue bracelet?**
**Mahsa Ghanbari Borhan,** University of Tehran, Iran

**Panel Discussion**

## Day 2 June 02, 2017

**Hall @ Crystal**

## Keynote Forum

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| **10:00-10:40** | **Title: Flood resilience: Measurement, validation and policy implications**<br>**Bo Huang,** The Chinese University of Hong Kong, Hong Kong |
| **10:40-11:20** | **Title: Landslides hazards and development of global early warning**<br>**Govind Singh Bhardwaj,** Maharana Pratap University of Agriculture and Technology, India |

Coffee Break 11:20-11:35 @ Foyer

Session: Coastal Geography and Floodway Analysis | Environmental Pollution | Global Warming | Meteorological Hazards

Session Introduction

**Session Chair: Bo Huang,** The Chinese University of Hong Kong, Hong Kong
**Session Co-chair: Govind Singh Bhardwaj,** Maharana Pratap University of Agriculture and Technology, India

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|---|---|
| **11:35-12:00** | **Title: Spatiotemporal analysis of the impact of climate change on the state of vegetation cover in the Namahadi Catchment Area in South Africa**<br>**Mukwada G,** University of the Free State, South Africa |
| **12:00-12:25** | **Title: Community engagement in the early warning system (EWS) to improve disaster preparedness in Aceh province, Indonesia**<br>**Sofyan Sufri,** Griffith University, Australia |
| **12:25-13:15** | **Title: Wireless Dependable IoT/M2M for Disaster Rescue and Healthcare - Reliable Machine Centric Sensing and Controlling**<br>**Ryuji Kohno,** Yokohama National University, Japan |

Lunch Break 13:15-14:05 @ 1F Restaurant "The Café"

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|---|---|
| **14:05-14:30** | **Title: Addressing future challenges to reduce PFCs emissions from Aluminum smelters**<br>**Nasr Bensalah,** Qatar University, Qatar |
| **14:30-14:55** | **Title: Institutionalizing disaster management education and training for the World's militaries**<br>**Amardeep Bhardwaj,** Govt Of India, India |
| **14:55-15:15** | **Title: Critical energy infrastructure protection in EU legislation with a focus on natural hazards in electricity networks**<br>**Constantinos S Psomopulos,** University of Applied Sciences, Greece |
| **15:15-15:35** | **Title: An individualized disaster relief solution for dust-storm situations**<br>**Kiana Kalantar,** University of Tehran, Iran |
| **15:35-15:55** | **Title: New methodology for rescue in hazard conditions, stairway that change into slope**<br>**Hossein Morvaridi Farimani,** University of Tehran, Iran |
| **15:55-16:15** | **Title: After earthquake help people by light aid; In distressed condition after earthquake search for a helpful light**<br>**Maryam Heydarian Ghahrodi,** University of Tehran, Iran |

Coffee Break 16:15-16:30 @ Foyer

**Poster Presentations 16:30-17:15**

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|---|---|
| **P1** | **Title: Doomsday rehearsal: Architecture for pre-disaster learning and 2020 Tokyo Olympics the year of disaster prevention global classroom**<br>**Choon Yong Heng,** Curtin University, Australia |
| **P2** | **Title: First principles understanding on enhanced oxidation resistance of NaBH4-treated mackinawite (FeS)**<br>**Dong-Hee Lim,** Chungbuk National University, South Korea |
| **P3** | **Title: The abyss: The search for a responsive underwater habitation**<br>**Michael Koo Han Ming,** Curtin University, Australia |

**Panel Discussion**

**Awards & Closing Cermony**

## Day 3 June 03, 2017

**Panel Discussions and Networking Lunch**