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Shimane University



- UNESCO Chair on
- Geoenvironmental Disaster Reduction,
- Shimane University, Matsue, Japan

27 December 2018

**UNESCO Chair 2019 Field School on Geoenvironmental Disaster Reduction
in Shimane University, Japan
(draft 5)**

Time: 14-18 March 2019

Venue: Matsue Campus, Shimane University, Japan

Schedule:

13 March 2019: arrival in Matsue

14-15 March 2019: two days lecture

16-18 March 2019: three day field work

19 March 2019: leaving Matsue

Contents of the two-day lecture (to be fixed soon)

- 1) A new technology for prediction and monitoring of landslides**
Prof. Manchao He (China University of Mining Technology)
- 2) Geo-disasters induced by the recent earthquakes in the world**
Prof. Masakatsu Miyajima (Kanazawa University, Japan)
- 3) Landslide investigations in natural and cultural heritage sites in Peru**
Prof. Vit Vilímek (Charles University in Prague, Czech Republic)
- 4) Engineering Seismology, seismic noise measurements and seismological applications on volcanoes and landslides**
Dr. Léna Cauchie (Liege University, Belgium)
- 5) Landslide disaster reduction in Loess area, China**
Prof. Tonglu Li (Chang'an University, China)
- 6) Contribution of sedimentary geology on disaster science**
Prof. Tetsuya Sakai (Shimane University, Japan)
- 7) Advanced Seismic Designs of Buildings in Japan -Seismic Isolation and Response Control Method -**
Prof. Yutaka Nakamura (Shimane University, Japan)
- 8) Eruptive record, depositional processes and associated hazards from large Stratovolcanoes in the Sanin region**



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Prof. Andreas Auer (Shimane University, Japan)

9) Landslide monitoring and early warning at the basin scale

Prof. Filippo Catani (Florence University, Italy)

10) Reconstruction of paleo-tsunamis hydrodynamic characteristics from the magnetic properties of their deposits

Prof. Patrick Wassmer (Université de Strasbourg, France)

11) Modelling of flowslides and debris avalanches in natural or engineered slopes

Prof. Sabatino Cuomo (Salerno University, Italy)

12) Landslides in frozen soils

Prof. Wei Shan, Prof. Ying Guo (Northeast Forest University, China)

13) Prediction of long runout and rapid landslides

Prof. Fawu Wang (Shimane University, Japan)

Three-day field works

1) Day 1: Disaster countermeasures in Shimane Prefecture (Sannoji landslide, earthquake monitoring system, Flooding control gate, dam, flowslides triggered by earthquake)

2) Day 2: Mt Sanbe - Eruptive record, depositional processes and associated hazards from a large Stratovolcano

3) Day 3: Iwami Silver Mine World Heritage and active fault, Adachi Museum in landscape

Call for participants (15 with financial support):

The living expenditure (accommodation and daily allowance from 13 to 19 April) of **15 participants** will be covered by Shimane University.

Qualification and language:

Master or PhD course students in a discipline related to the Geoenvironmental Disaster Reduction.

Good English for listening, writing and speaking.

Application method:

Send E-mail to: wangfw@riko.shimane-u.ac.jp, under the title of “UNESCO Chair 2019 Shimane Field School application”, with 1) self-introduction related to geoenvironmental disaster reduction, 2) recommendation letter from your supervisor.

Deadline: 27 December 2018.