

## **A student team from the Japan-UK Young Scientists Workshop 2016 joined the evacuation experiment under the supervision of the IRIDeS members at Matsushima Town (2016/8/2-6)**

Theme : Evacuation Drill Tool, Experiment, Mobile Application, Young Scientists Workshop

Location: IRIDeS and Matsushima City, Miyagi Prefecture

On August 2, 2016, one of the teams from the Japan-UK Young Scientists Workshop arrived the IRIDeS. This team consists of 2 Japanese and 3 British students from Tsuruoka Minami High School, Fukushima High School, St Mary Redcliffe and Temple School (UK), Thomas Hardy School (UK), and Hinchley Wood School (UK). The team is under the supervision of IRIDeS members, Assoc. Prof. Anawat Suppasri and Asst. Prof. Kazuya Sugiyasu, with the support from Research Associate Mari Yasuda and Researcher Dr. Natt Leelawat. First, the students attended the presentation of the Gensai Pocket YUI by Research Associate Mari Yasuda. Then, Dr. Natt Leelawat introduced the IRIDeS as well as the studies conducted by the IRIDeS.

On August 3, 2016, an evacuation experiment was conducted with the students, accompanied by some teachers from High Schools in Miyagi Prefecture, at Matsushima Town, Miyagi Prefecture. The experiment was under the supervision of Asst. Prof. Kazuya Sugiyasu and Dr. Natt Leelawat. For the first round of the experiment, the students joined the evacuation experiment under some experimental conditions such as limited time (i.e., 10 minutes) and limited information. Next, the students were given more information of the inundation depth through the mobile application developed by Dr. Natt Leelawat. The evacuation routes were tracked by the GPS trackers. In the afternoon, the experiment was wrapped up by Asst. Prof. Kazuya Sugiyasu and Dr. Natt Leelawat. The students discussed and exchanged their opinions on their evacuation decision.

On August 4, 2016, the data and opinions collected on the previous day were used to analyze for the outcome of the experiment. Under the supervision of Dr. Natt Leelawat, the students concluded and summarized their presentation materials.

On August, 5, 2016, the students joined the site-visit activity to visit the tsunami-affected area.

On August 6, 2016, the students presented their team's study and experiment at the workshop event. They learned many lessons from this experiment including the leadership in evacuation operation, the limited resource condition during the evacuation, the importance of information during the evacuation, as well as the quick decision-making.

Reported by

Anawat Suppasri, Mari Yasuda and Natt Leelawat (Hazard and Risk Evaluation Research Division)

Kazuya Sugiyasu (Inter-Graduate School Doctoral Degree Program on Science for Global Safety)

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Introduction to Gensai Pocket YUI  
by Research Associate Mari Yasuda



Introduction to Natural Disasters and IRIDeS  
by Dr. Natt Leelawat



Evacuation experiment at Matsushima Town



Students observed the available information,  
such as maps, during their experiment



Students checked the information of  
the inundation depth from mobile application  
during their experiment



Experiment wrap-up  
by Asst. Prof. Kazuya Sugiyasu