

## **International Workshop on Strong Motion Evaluation and Prediction**

Venue: DPRI, Kyoto University, South BLDG, 5th Floor, room-S519D (See map)

Date & Time: March 5, 2012, 13:00-17:15

(17:30-19:00 Reception at the 2<sup>nd</sup> floor of the Coop restaurant)

(Guests from abroad 30 min. each and others 15 min. each, including Q&A)

### **○Agenda**

13:00-13:05 Hiroshi Kawase “Outline of the workshop”

### **○ANR/JST France-Japan Joint Research Project (Ch:Matsushima)**

13:05-13:35 Florent De Martin (BRGM, France) “ANR/JST joint ONAMAZU project, plan and preliminary result”

13:35-13:50 Fumiaki Nagashima, Hiroshi Kawase and Shinichi Matsushima (DPRI, Kyoto Univ.) “Application of the H/V spectral ratios at K-NET sites during and after the 2011 Off the Pacific Coast of Tohoku earthquake”

### **○NSF/JSPS US-Japan Joint Research Project (Ch:Kawase)**

13:50-14:20 Paul Somerville (URS, U.S.A) “The PEER NGA-West ground motion prediction equations for shallow crustal earthquakes in tectonically active regions”

14:20-14:35 Toshimi Satoh (Shimizu Corp.) “Empirical rupture directivity and radiation pattern model for attenuation relations of response spectra”

14:35-14:50 Tatsuo Kanno (Hiroshima Univ.) “Applicability of existing attenuation relations to recent earthquakes”

14:50-15:05 Nobuyuki Morikawa (NIED) “New Attenuation Relation for Next Generation Seismic Hazard Map”

(10 min. break)

### **○Grand-in-Aid A from MEXT for Strong Motion Prediction (Ch:Iwata)**

15:15-15:30 Shin Aoi and Wataru Suzuki (NIED) “Characteristics of the strong motion of the 2011 Tohoku-Oki earthquake”

15:30-15:45 Kimiyuki Asano and Tomotaka Iwata (DPRI, Kyoto Univ.) “Strong motion generation areas of the Tohoku event”

15:45-16:00 Kojiro Irikura and Susumu Kurahashi (AIT) “Source model of generating

strong ground motions during the 2011 Tohoku earthquake and a recipe of predicting ground motions for mega-thrust earthquakes”

16:00-16:15 Atsushi Nozu (PARI) “Constructing a source model composed of super asperities for the 2011 Tohoku, Japan, earthquake”

16:15-16:45 Hideo Aochi (BRGM, France) “ANR DEBATE project outline and outcome” (guest speaker)

### ○Discussion (Chs:Kawase and Iwata)

16:45-17:15 Future research directions for quantitative strong motion prediction after the 2011 Tohoku event

### ○Reception

17:30-19:00 At PIACHI (used to be a cafeteria), 2<sup>nd</sup> floor of the Coop restaurant.



### Participants:

#### Guests from abroad:

Paul Somerville, Hideo Aochi, Florent De Martin

#### Guests from Japan:

Kojiro Irikura, Tsutomu Sasatani, Yoshiaki Hisada, Toshimi Satoh,  
Shin Aoi, Atsushi Nozu, Atsushi Wakai, Tatsuo Kanno, Nobuyuki Morikawa,  
Kenichi Tsuda

#### DPRI:

Hiroshi Kawase, Tomotaka Iwata, Shinichi Matsushima, Haruko Sekiguchi,  
Kimiya Asano, Baoyintu, Fumiaki Nagashima, Koki Tobita, Kenichi Nakano,  
Yuta Akizuki, Rie Yamamoto