

5th International INQUA Meeting on  
**Paleoseismology,  
Active Tectonics and  
Archeoseismology**



21~27 September 2014  
**BUSAN, KOREA**



**KIGAM**

 **paleoseismicity.org**



# Program

21 Sep. (Sun.)

Arrival in Busan, Icebreaker party

22 Sep. (Mon.)

Pre-meeting field trip to the Eastern coastal area  
- Quaternary terraces & NPP sites

23~24 Sep. Main Conference

23th (Tue)				24th (Wed)			
09:00~10:00	Registration			09:00~09:30	Paleoseismology	Keynote	James McCalpin
				09:30~09:50		Invited	Thomas Rockwell
				09:50~10:10		Invited	Takashi Azuma
10:00~10:20	Opening Ceremony		10:10~10:25	Invited		Koji Okumura	
10:20~10:50	Earthquake Geology	Keynote	John Suppe			10:25~10:45	Shahryar Solamany Azad
10:50~11:05			Vincent Cronin			10:45~11:00	Sowreh Rezaei
Coffee break				Coffee break			
11:25~11:45	Earthquake Geology	Invited	Klaus Reicherter	11:20~11:50	Korean Active Tectonics	Keynote	Heekwon Lee
11:45~12:00			Alessandro Maria Michetti	11:50~12:10		Invited	Myung-Soon Jun
12:00~12:15			Luca Guerrieri	12:10~12:25			Jeong-Heon Choi
12:15~12:30			Yukari Miyasita	12:25~12:40			Sung-Ja Choi
Lunch				Lunch			
13:40~14:10	Remote Sensing & Geomorphology	Keynote	Ramon Arrowsmith	14:00~14:30	Seismic Hazard Assessment for Critical Facilities	Keynote	Ruben Tatevossian
14:10~14:30		Invited	Daiei Inoue	14:30~14:50		Invited	William Lettis
14:30~14:45			Weon-hack Choi	14:50~15:05	Secondary Effects of Earthquakes		Tomas Fernandez-Steeger
14:45~15:00			Raqeul Felix	15:05~15:20			Kenji Satake
Poster Section & Coffee break			15:20~15:35			Yael Braun	
			Poster Section & Coffee break				
16:05~16:35	Archeoseismology	Keynote	Shmulik Marco	16:30~17:10	<i>Lecture</i>		Thomas Rockwell
16:35~16:50			Miklos Kazmer	17:10~17:20	2015 Meeting in Fucino, Italy		
16:50~17:30	<i>Lecture</i>		Sintubin Manuel	17:20~17:30	Awards ceremony		
18:00~21:00	Welcoming Dinner		Haeundae, Busan (move to by bus)	18:00~21:00	Main reception		Gijang area, Busan (move to by bus)

25 Sep. (Thu.)

Post-meeting field trip (I) - Active faults around the SE Korea

26 Sep. (Fri.)

Post-meeting field trip (II) - Archaeoseismology in Gyeongju,  
Closing Ceremony

27 Sep. (Sat.)

Departure

## Accommodation information

- ▶ 21~25th: VISTAS Guesthouse, Busan
- ▶ 25~27th: KT&G Training Institute, Gyeongju



PRESENTATION INFORMATION

Session	Present er	Tit le	Not e
<i>Earthquake Geology</i>	John Suppe	Active folding of landscapes and sedimentary basins	Keynote Speaker
	Vincent Cronin	Seismo-Lineament analysis method(SLAM), using earthquake focal mechanisms to help recognize seismogenic faults	
	Klaus Reicherter	Investigation of Bedrock normal faults in the Mediterranean region	Invited Speaker
	Alessandro Maria Michetti	Late Quaternary evolution and potential for earthquake surface faulting along the Monferrato Arc, N Italy	
	Luca Guerrieri	Fault displacement hazards in urban areas in Italy - a first assessment	
	Yukari Miyasita	Correlation between fault activity and fault gouge color: toward the development of a new method for evaluating fault activity	
	Asdani Soehaimi	Seismotectonics and active faults of Bali Island	Poster (No.1)
	Kwangmin Jin (I)	Interpretation for the propagation characteristics associated with the 1999 Chi-Chi earthquake faulting event	Poster (No.2)
	Beau Whitney	Quaternary reactivation of Australia's western passive margin - inception of a new plate boundary?	Poster (No.3)
	Andres Folguera	Active tectonics in southern South America: a general review about its development and mechanisms	-
<i>Remote Sensing &amp; Geomorphology</i>	Ramon Arrowsmith	High resolution topography and active faulting	Keynote Speaker
	Daiei Inoue	Lineament analysis using ASTER satellite images around the coastal area of Korean Peninsula	Invited Speaker
	Weon-hack Choi	The activity of the Ulsan fault system based on marine terrace age at the southeastern part of Korean peninsula	
	Raqeul Felix	Mapping of the Inabanga Fault in Bohol, Philippines using high resolution LiDAR imagery and field mapping verification	
	Christoph Grutzner	Slow active faults in an intracontinental setting - limits of tectonic geomorphology techniques	Poster (No.4)
	Akbar Cita	Geomorphologic Indicator of Tectonic Activities in Bakauheni, Lampung, Indonesia	Poster (No.5)
	Yudhi Cara	Identification an active Sumatera Fault in Liwa Region using Morphotectonic Approach	Poster (No.6)
	Hyun-Tae Kim	A case study of the application of the LiDAR technique	Poster (No.7)
<i>Archeoseismology</i>	Shmulik Marco	What can we learn about paleoearthquakes from the anisotropy of magnetic susceptibility?	Keynote Speaker
	Miklos Kazmer	Damages to the 9th century Prambanan temple caused by the 2006 Yogyakarta earthquake (Java, Indonesia)	
	Sintubin Manuel	<b>Lecture on Archeoseismology</b>	Invited Speaker
	Jin-Hyuck Choi	Damaged speleothems and their implications for paleo-earthquakes : A case study from Seongryu Cave in Uljin, Korea	Poster (No.8)
<i>Paleoseismology</i>	James McCalpin	Surface faulting without earthquakes; sackung and salt tectonics	Keynote Speaker
	Thomas Rockwell (I)	Great earthquakes in the western Transverse Ranges of southern California on the Pitas Point-Ventura thrust system	Invited Speaker
	Takashi Azuma	Reconstruction of a lateral offset paleo-channel on the Kego fault, western Japan	Invited Speaker
	Koji Okumura	Important Issues Solved and Unsolved on the Paleoseismology of the North Anatolian Fault	
	Shahryar Solamany Azad	Persia as a Paradise for Paleoseismological Studies, Example: Paleoseismologic and Geodynamic Issues, NW Iran	Invited Speaker
	Sowreh Rezaei	Geometric and kinematric characteristics of Mosha and North Tehran fault system, Northern Iran	
	Thomas Rockwell (II)	<b>Lecture on Paleoseismology</b>	Invited Speaker
	Biju John	Surface deformation characteristics at two locations in Peninsular India and its implications on seismic hazard	-
<i>Korean Active Tectonics</i>	Heekwon Lee	Review of paleoseismological studies in South Korea	Keynote Speaker
	Myung-Soon Jun	Earthquake characteristics in and around the Korean peninsula and their tectonic implication	Invited Speaker
	Jeong-Heon Choi	Optical dating of marine terrace sediments along the eastern coast of Korea, relevant to local crustal stability and Quaternary tectonics: Experiences and Expectations	
	Sung-Ja Choi	Distribution of marine terraces and their tectonic implication, Southeastern Korea	
	Kwangmin Jin (II)	Trench study on developing characteristics of the Quaternary Gusan Fault	Poster (No.9)
<i>Seismic Hazard Assessment for Critical Facilities</i>	Ruben Tatevossian	Earthquake databases in hazard assessment of critical facilities	Keynote Speaker
	William Lettis	Emerging concepts in probabilistic seismic hazard analysis and the use of the SSHAC process for assessing uncertainty	Invited Speaker
	Jong Sun Hwang	Operation and Management of Eupcheon Fault Monitoring System in South Korea	Poster (No.10)
<i>Secondary Effects of Earthquakes</i>	Tomas Fernandez-Steeger	Evaluation of seismic stability of coherent landslides: Analytical approach versus FEM	
	Kenji Satake	Long-term forecast of large earthquakes - lessons from the 2011 Tohoku earthquake	
	Yael Braun	Paleo- tsunami event reconstruction using sediment cores along the upper shelf of the eastern Mediterranean basin- Caesarea and Jisr Al-Zarka, Israel	

# Arrival Information

## How to come to VISTAS (PuKyong National University)

**From Gimhae (Busan) Airport:** 1) Airport-limousine bus - 40m travel time & 7,000 won  
2) Taxi - 30m travel time & 15,000 won

**From Busan Station:** 1) Intra-city bus (No. 27) - 30m travel time & 1,500 won  
2) Taxi - 20m travel time & 10,000 won

*\* See details on the website: [www.pata-days.org](http://www.pata-days.org)*



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