

Program

**Friday 26**

	<b>Big data</b>	
9:30	David Yuen	Impact of big data on geosciences
9:50	Richard Strelitz	Changing visualization into a tool for scientific discovery
10:10	Henry Tufo	Big data opportunities in climate science
10:30-10:50	<b>Break</b>	
	<b>Geology &amp; Tectonics</b>	
10:50	Gabriele Morra	On the energy fluxes at subduction zones
11:10	Risheng Chu	Deformation of the Xishancun landslide inferred from seismicity
11:30	Shigenori Maruyama	Three layers model of continents and mantle dynamics through time
11:50-13:00	<b>Lunch break</b>	
13:00	Shun-ichiro Karato	Earthquakes and origin of plate tectonics
13:20	Toshikazu Ebisuzaki	The amplification of tsunamis disaster due to the submarine landslides associated with earthquakes: case studies for 2011 Tohoku-oki earthquake and 1923 great Kanto earthquake
	<b>Tsunami</b>	
13:40	Kenji Satake	Enigmatic tsunami generation in the northern part of the 2011 Tohoku earthquake source – tsunami earthquake or submarine landslide ?
14:00	Yukio Isozaki	Double-arc topography of NE Japan and tomographic image of fore-arc water curtain
14:20	Yuichiro Tanioka and Yusuke Yamanaka	Tsunamis due to sector collapses or landslides
14:40	Jim Mori	Drilling to the fault of the 2011 Tohoku earthquake: fault friction and energy.
15:00-15:20	<b>Break</b>	
	<b>Planetary science</b>	
15:20	Ikuo Katayama	Water history of Mars' interior inferred from elastic thickness
15:40	John Hearn	The emergence of planetary information, and its propagation, survival, and influence in planet evolution
16:00-16:20	<b>Break</b>	
	<b>About Bob</b>	
16:20	Carol Stein	Bob & Carol Geller: different geological career paths from childhood on a rifted continental margin
16:40	Mineo Kumazawa	How I invited Bob Geller to Today
17:00-17:30	Bob Geller	My battles with earthquake predictors
	<b>Dinner</b>	
End of 1st day		

**Saturday 27**

	<b>Earthquakes &amp; Earthquakes hazards</b>	
9:30	Charles Scawthorn	An engineer looks at M-S-G (2017)'s criticisms of PSHA
9:50	Francesco Mulargia	Managing earthquake risk beyond PSHA: Central Italy, 2016-2017
10:10	Peter Yanev	A new paradigm using all available data, common sense, and experience to re-engineer seismic design
10:30	Philip B. Stark	ETAS-trophic failures: fit, classification, and forecasting
10:50	Seth Stein	How well do earthquake hazard maps work?
11:10	Victor Tsai	Ground motion amplification for surface waves
	<b>Lunch &amp; Poster session</b>	
	Kensuke Konishi	ANISotime -travelttime computation software for TI media-
	Anselme Borgeaud	Imaging paleoslabs in the D" layer beneath Central America and the Caribbean using seismic waveform inversion
	Yuki Suzuki	Waveform inversion for 3-D S-velocity structure in the lowermost mantle beneath the Northern Pacific
11:30-13:30	Lina Yamaya	3-D S-velocity structure in D" obtained by waveform inversion after redetermination of the earthquake source parameters
	Koichiro Umemoto	Post-stishovite transition in hydrous aluminous SiO <sub>2</sub> : Effect of hydrogen
	Haoyang Liu	Information big data visualization in fully immersive virtual reality: application to subduction zone
	Chuanxu Chen	Linking b-value to incoming plate variation along Manila Trench
	<b>Seismic waves</b>	
13:30	Greg Beroza	Mining seismic wavefields
13:50	Kenji Kawai	Big data in studies of 3-D Earth structure
14:10	Marcus Carlsson	ESPRIT-type interpolation for seismic data on irregular domains.
14:30	Nobuaki Fuji	Box waveform inversion
14:50	Peter Mora	Elastic versus acoustic inversion for marine surveys
15:10-15:30	Song Zi Hao	Introducing Metagraph: data system built for data science
End of 2nd day		