

GSJ International Training Course 2019 Overall Program

Date	Time	Lecture	Lecturer/Speaker	
June 3 Mon		Arrival		
Day 1	4 Tue	10:00-12:00	Opening ceremony, Introduction of GSJ, etc.	
		13:00-14:00	Tour of the Geological Museum of GSJ	
		14:30-17:00	Country Report presentation	
		18:00-20:00	Welcome party	
Day 2	5 Wed	"1. Geological Development of Japan and Asia"		
		9:00-10:10	- Outline of convergent margin tectonics	
		10:30-12:00	- Geological Development of Japan	
		13:00-14:30	- Geological Development of Asia	
		"Overview of field excursions"		
14:50-15:50	- Abukuma metamorphic rocks and granite			
15:50-16:50	- Oceanic plate stratigraphy of accretionary wedge			
Day 3	6 Thu	8:30-17:30	"2. 2-day field excursion: Yamizo and Abukuma Mountains"	Dr. Yutaka Takahashi, Dr. Kazuhiro Miyazaki, Dr. Yoshihiro Nakamura, Dr. Jun Hosoi, Prof. Koji Wakita
Day 4	7 Fri	8:30-17:30		
Day 5	8 Sat			
Day 6	9 Sun			
Day 7	10 Mon	8:30-17:30	"3. 1-day field excursion: Kanto Mountains"	Dr. Hidetoshi Hara, Dr. Tsuyoshi Ito
Day 8	11 Tue	"4. Petrology"		Dr. Yutaka Takahashi, Dr. Masumi Mikoshiba, Dr. Jun Hosoi
		9:00-12:00 /13:30-16:30 (2 Grouping)	a. Investigation of Igneous and Metamorphic Rocks in the Yamizo and Abukuma Mountains	
Day 9	12 Wed	"5. Geochronology"		Dr. Hidetoshi Hara, Dr. Tsuyoshi Ito Dr. Yoshiaki Kon, Dr. Kenzo Sanematsu
		9:00-12:00 13:30-16:30	a. SEM observation of radiolarian fossils b. U-Pb dating of zircon	
Day 10	13 Thu	9:00-12:00	Discussion and reporting	Lecturers
		13:30-16:30	"6. Gravity and magnetic survey"	Dr. Masahiko Makino Dr. Shigeo Okuma
		- Gravity survey		
		- Magnetic anomaly of volcanoes		
Day 11	14 Fri	"7. GIS"		Dr. Shinji Takarada, Dr. Joel Bandibas Dr. Shinji Takarada, Dr. Joel Bandibas Dr. Joel Bandibas, Dr. Shinji Takarada
		9:00-11:00	- Geological map and GIS	
		11:00-12:00 13:30-16:30	- Practice of GIS - Practice of GIS	
Day 12	15 Sat			
Day 13	16 Sun			
Day 14	17 Mon	"8. Remote sensing"		Dr. Hirokazu Yamamoto Dr. Yoshiki Ninomiya
		9:00-12:00 13:30-16:30	- Basics of remote sensing - Geological remote sensing	
Day 15	18 Tue	"9. Urban Geology"		Dr. Tsutomu Nakazawa Dr. Susumu Nonogaki Dr. Ikuo Cho Dr. Masayuki Yoshimi
		9:00-10:20	a. Geology and geomorphology in urban areas	
		10:40-12:00	b. 3D geological modeling	
		13:30-14:50	c. Microtremor exploration method	
15:10-16:30	d. Earthquake ground motion			
Day 16	19 Wed	"10. Visit OYO Corporation"		
		9:30	a. Ground Penetrating Rader for detecting subsurface objects & electrical survey	
		10:00-12:00 13:00-15:30 15:30-16:30	a. Ground Penetrating Rader for detecting subsurface objects & electrical survey b. Surface wave survey and PS logging c. Monitoring system for disaster prevention	
Day 17	20 Thu	"11. Geohazard"		Dr. Jun'ichi Itoh Dr. Senro Kuraoka (Nippon Koei) Dr. Yoshihiro Ishizuka Dr. Tadashi Maruyama Dr. Yuichi Namegaya Dr. Tadashi Maruyama, Dr. Yuichi Namegaya
		8:45-9:00	a. Introduction	
		9:00-10:40	b. Landslide	
		11:00-12:30	c. Volcano Geology	
		14:00-15:00	d. Earthquake Geology	
		15:10-16:10 16:30-17:00	e. Studies of paleo tsunamis - Exhibits of active faults and tsunami deposits	
Day 18	21 Fri	9:00-12:00	Discussion and reporting	Lecturers
		13:30-15:10	Training report presentation	Trainees
		15:30-16:00	Closing ceremony	Dr. Shinsuke Nakao, Deputy Director General of GSJ
		18:00-20:00	Farewell party	
22 Sat		Departure		