^{17th} International Workshop on WATER DYNAMICS Dynamic Earth - Rocks, Fluids and Reactions -

Venue: Graduste Scool of Environmental Studies Main building, New Aobayama Campus, Tohoku University

Tuesday, Friday 27th, 2020

Time	No.	Speaker	Title	Chairman				
Opening								
10:00-10:15		Noriyoshi Tsuchiya Noriaki Watanabe	Opening Remarks Evacuation	A. Okamoto				
	Geothermal and Suprcritical Research							
10:15-10:45	1	Hiroshi Asanuma	Current status of Japanese supercritical geothermal project	N. Tsuchiya				
10:45-11:15	2	Noriyoshi Tsuchiya	Frontier Research of Supercritical Water-Rock Interaction					
11:15-11:45	3	Yasuo Ogawa	Anatomy of Active Volcanic Edifice at the Kusatsu-Shirane Volcano, Japan, by Magnetotellurics: Hydrothermal Implications for Volcanic Unrests					
11:45-14:00		Lanch & Poster Session						
Fluid in the Earth's Crust								
14:00-14:30	4	Mark Reed	Supercritical hydrofracturing and alteration reactions in the Butte porphyry copper deposit	N. Tsuchiya				
14:30-15:00	5	Atsushi Okamoto	Knockout seawater experiments and insights for hydrothermal alteration of midocean ridges					
15:00-15:30	6	Craig Manning	Fluids in the Lower Crust: Deep is Different					
15:30-16:00	7	Masaoki Uno	Fluid pressure and permeability evolution in the crust: insights from natural metamorphic reaction					
16:00-16:15	Break							
Tectonics in East and Central Asia								
16:15-16:45	8	Ariuntsetseg Ganbat	Geochemistry and geochronology of late Paleozoic-early Mesozoic igneous rocks of the Delgerkhaan region, Central Mongolia: constraints on the tectonic evolution of the Mongol-Okhotsk Ocean	M. Uno				
16:45-17:15	9	Otgonbayar Dandar	The Nature of Metasomatism in Mantle Wedge: Evidence from the Alag Khadny Accretionary Wedge, Western Mongolia					
17:15-17:45	10	Kosuke Naemura	Melt inclusions in eclogite and gamet peridotite in the continental collision zone (Review)					
17:45-18:15	11	Chin-Ho Tsai	Tectonic blocks and high-pressure metamorphism in the Yuli belt, eastern Taiwan					
18:30		Workshop Banquet						

Saturday, March 28th, 2020

Saturday, March 20th, 2020							
Lecture Room							
Time	No.	Speaker	Title	Chairman			
Metamorphic Reactions							
9:30-10:00	12	Tetsuo Kawakami	Dating ductile deformation in the high-temperature/low-pressure type metamorphic terrane (Ryoke belt, Japan)	M. Uno			
10:00-10:30	13	Fumiko Higashino	Timing of garnet-forming metamorphism and behavior of halogens in middle to lower crust deduced from nanogranitoid inclusions in garnet				
10:30-11:00	14	Takayoshi Nagaya	Talc CPO from talc-rich schists in the Sanbagawa and Franciscan metamorphic belts: implications as a weak layer formed due to Si-metasomatism at slab-mantle interfaces				
11:00-11:15 Break							
Hydrothermal Experiments							
11:15-11:45	15	Ryosuke Oyanagi	Experimental constraints on changes in rate-control process during hydrothermal alteration of olivine	A. Okamoto			
11:45-12:15	16	Jiajie Wang	Control on Fe(II) behaviors during H2O-olivine-CO2 hydrothermal reactions for H2 production				
12:15-13:15	Lunch & Poster Session						
Geofluids							
13:15-13:45	17	Sergey	Kuril Island	· N. Tsuchiya			
13:45-14:15	18	Ohtani	Deep Mantle				
14:15-14:45	19	Christoph Hilgers					
Lab Tour							

Sunday, March 29th, 2020

Field Excursion: Central Part of Iwate Prefacture