

Scientific Program

October 2	Tuesday PM	
14:00–19:30	Registration	Kurayoshi Mirai Chushin (Posters can be displayed in this period)
19:00–21:00	Reception	Kurayoshi Mirai Chushin
October 3	Wednesday AM	Session 1: Imaging the Mantle
09:00	Convenor	Welcome and introduction
09:00–10:00	Yoshio Fukao	The upper and lower mantle transition region as temporal reservoirs of subducted slabs and rising plumes
10:00–10:30	Guy Masters	Seismological constraints on geochemical reservoirs?
10:30–10:50	Coffee break	
10:50–12:00	Discussion	
12:00–13:30	Lunch	(Poster preparation)
October 3	Wednesday PM	Session 2: Formation and evolution of geochemical reservoirs
13:30–14:30	Stan Hart	Formation and evolution of geochemical mantle domains
14:30–15:00	Marc Hirschmann	A petrologic view of the characteristics of mantle geochemical reservoirs
15:00–15:20	Coffee break	
15:20–16:30	Discussion	
16:30–18:00	Poster Session	
October 4	Thursday AM	Session 3: High pressure mineral physics
09:00–10:00	Takehiko Yagi	Developments and problems in laboratory high pressure experiments
10:00–10:30	Eiji Ito	Recent developments in high pressure mineral physics experiments using sintered diamond anvils
10:30–10:50	Coffee break	
10:50–12:00	Discussion	
12:00–13:30	Lunch	
October 4	Thursday PM	Session 4: Dehydration of subducting slabs and water storage in the mantle
13:30–14:30	Max Schmidt	Dehydration vs. melting vs. dissolution: Where and how to generate a mobile component during subduction
14:30–15:00	Eiji Ohtani	Circulation and Redistribution of Water in the Earth's Interior
15:00–15:20	Coffee break	
15:20–16:30	Discussion	
16:30–18:00	Poster Session	

October 5 Friday AM **Session 5: Magmatic differentiation and the evolution of the mantle and core**

09:00–10:00 Eiichi Takahashi Melt Generation in the Hawaiian Plume
10:00–10:30 Bernie Wood Mantle composition and conditions of core formation
10:30–10:50 Coffee break
10:50–12:00 Discussion
12:00–13:30 Lunch

October 5 Friday PM **Session 6: Future Perspectives**

13:30–14:30 Ho-kwang Mao Future perspectives on high-pressure experimental geophysics and geochemistry
14:30–15:00 Dave Rubie Title to be announced
15:00–15:20 Coffee break
15:20–16:30 Discussion
16:30–18:00 Poster Session
19:00–21:00 Banquet Kurayoshi St. Palace Hotel

October 6 Saturday **Post-conference field trip**

08:00 Departure from Kurayoshi St. Palace Hotel

Field trip to Daisen Volcano (by chartered bus)

20:00 Return to the Hotel