

Summer seminar school 2012 in Shimona

Current participants:

The Tsuchiyas (4), The Karkis (3), Kuwayama, Okumoto, Taniuchi, Dekura, Wang, Townsend
Ichikawa, Kimura, Miyauchi

Venue: Shimona-no-sato, <http://www14.plala.or.jp/shimona23/>

Dates: From Aug. 2 (Thu) to Aug. 4 (Sat)

Gathering: The entrance of the GRC bldg. at ~9:00, Aug. 2.

Seminar Schedule (The order of talks is subject to change):

----- 1st session (afternoon Aug.2) -----

Dekura: Lattice thermal conductivity of MgSiO₃ perovskite and post-perovskite

Ichikawa: Viscosity and diffusivity of liquid iron light elements system

Okumoto: First-principles calculation of high pressure polymorphs of ice

Taniuchi: Calculating the melting point of MgO using the thermodynamic integration

----- 2nd session (morning, Aug.3) -----

Karki (special seminar)

Townsend: Structure and elasticity of hydrous postperovskite MgSiO₃

Kimura: ***

----- 3rd session (afternoon, Aug.3) -----

Wang: X-ray Spectral Analysis of Iron in Lower Mantle Minerals: A Theoretical Investigation

Miyauchi: Mantle convection simulation with various profiles of physical properties with chemical heterogeneity

Jun Tsuchiya: First-principles investigations of water in the Earth's deep interiors

Kuwayama: The composition of the inner core

Taku Tsuchiya: Thermodynamic properties of Fe³⁺-bearing MgSiO₃ perovskite

----- 4th session (morning, Aug.4) -----

field trip

=====

Aug. 2

9:00 gather at the entrance hall of the GRC bldg., Ehime-Univ.

9:10 depart Ehime-Univ

~12:00 lunch

~13:30 arrive Shimona

(30~60 min. recess)

1st session

~17:00 dinner

Aug. 3

~8:00 Breakfast

9:00~ 2nd session

~12:00 lunch

~13:00 3rd session

~17:00 dinner

Aug. 4

~8:00 Breakfast

*** field trip

*** arrive Ehime-Univ.