

The 2nd HiPeR Symposium at Presidency University

28th January 2019. Place: OLT, Dept. of Geology, Presidency University

14:00 – 14:10: Welcome note by Prof. Gautam Ghosh, Host Member HiPeR

14:10 – 14:20: Introduction of HiPeR Research center at Hiroshima by Prof. Toru Inoue, Leader HiPeR

Session 1. *Surface and Near-surface Geochemical Processes*

14:30 PM – 15:00 PM. Dr. Fumito Shiraishi; Title: Biogeochemistry from India—future prospectus

15:15 PM – 15:45 PM. Dr. Shib Shankar Acharya; Title: Large stable Ca isotopic ($\delta^{44}/^{40}\text{Ca}$) variation in Bay of Bengal water: implications for reconstruction of $\delta^{44}/^{40}\text{Ca}$ of Phanerozoic seawater

16:00 PM – 16:30 PM. Dr. Anirban Chatterjee; Title: The Provenance of the Thar Desert Sand: A Geochemical Perspective

16:40 PM

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Session 2. *Probing Earth's interior and extra-terrestrial materials*

10:30 AM – 11:00 AM. Dr. Toru Inoue; Title: Water in Earth's lower mantle

11:10 AM – 11:40 AM. Dr. Jun-ichi Ando; Title: Deformation behavior of antigorite serpentinite during subduction process- Insight from serpentinite of Erro-Tobbio peridotite, Western Alps

11:50 AM – 12:20 PM. Dr. Naotaka Tomioka; Title: "Ultra-high-resolution electron microscopy of shocked meteorites: Finding new high-pressure polymorph of olivine"

Lunch break: 12:30 PM to 13:30 PM

Session 3. Deep crustal processes and mantle interactions

13:30 PM – 14:00 PM. Dr. Tushar Mouli Chakraborti; Title: Metasomatism in plume-influenced sub-arc mantle: mineralogical, geochemical and isotopic study of mantle peridotites and/or arc xenoliths

14:10 PM – 14:40 PM. Dr. Arnab Sain; Title: Structure and geochemistry of ophiolite and intrusive granites from Nellore Schist Belt: Clues to tectonic evolution of the SE margin of India in the Mesoproterozoic

14:50 PM – 15:20 PM. Mr. Proloy Ganguly; Title: Metamorphic, structural and geochronological evolution of the Phulbani domain of the Eastern Ghats Belt, India: new insights and relevant questions

15:30- 16:00 PM. Open Discussion & End Note

16:00 – 16:15: Thanks Giving

Tea/coffee break- Common photo session 16:15 – 16:30