

Schedule and Program

2012 Kochi International Workshop - Frontiers in Paleo- and Rock Magnetism in Asia

Center for Advanced Marine Core Research
Kochi University
February 28-29, 2012

Tuesday February 28

12:30-13:00 Registration

13:00-13:10 Welcome and Logistics

13:10-14:10 Geomagnetic Field Behavior in the Past

Long-term changes of relative paleointensity from sediments: geomagnetic field behavior or rock magnetic artifact?

Toshitsugu YAMAZAKI, Gary ACTON, James CHANNELLI, Emily PALMER,
Carl RICHTER and Yuhji YAMAMOTO*

Paleointensity and paleodirectional variations across the Matuyama - Brunhes polarity transition: Observations from lavas at Punaruu Valley, Tahiti

*Nobutatsu MOCHIZUKI**

Virtual axial dipole moment (VADM) distribution from the improved PINT database

Koji FUKUMA and Koichi HOSOKAWA*

14:30-15:10 Archeomagnetism in Japan

Archeomagnetic database and geomagnetic secular variation for the last 2000 years in Japan

Tadahiro HATAKEYAMA, Hidetoshi SHIBUYA, Kimio HIROOKA,
Hiroshi NAKAMURA, Masayuki TORII*

Preliminary report of the paleointensity results from baked clay samples taken from the reconstructed ancient kiln

Yuhji YAMAMOTO, Masayuki TORII, Nobuyoshi NATSUHARA,
and Tadashi NAKAJIMA*

15:30-16:50 Rock Magnetism

A rock magnetic study of pressure and temperature effects on iron-sulfides from several IODP sites

*Tiiu ELBRA **

Pressure effect on low-temperature remanence of multidomain magnetite: change in demagnetization temperature

Masahiko SATO, Yuhji YAMAMOTO, Takashi NISHIOKA, Kazuto KODAMA,
Nobutatsu MOCHIZUKI and Hideo TSUNAKAWA*

Relative abundance of high-coercivity minerals: estimation based on S-ratio and IRM unmixing

*Masayuki TORII **

Applications of frequency spectrum of alternating current magnetic susceptibility for characterizing magnetic particles in natural materials

*Kazuto KODAMA **

Wednesday February 29

10:00-10:40 Paleomagnetism in Asia

Latitudinal change of the Indochina Block during late Paleozoic: Preliminary paleomagnetic data

Koji UNO, Soichiro KAWAMO, Ken-ichiro HISADA, Katsumi UENO,
Yoshihito KAMATA, Hidetoshi HARA, Punya CHARUSIRI,
and Thasinee CHAROENTITIRAT*

Magnetostratigraphic and paleoenvironmental records for a Late Cenozoic sedimentary sequence drilled from Lop Nor in the eastern Tarim Basin

Hong CHANG, Zhisheng AN, Weiguo LIU, Xiaoke QIANG, Yougui SONG
and Hong AO*

11:00-11:40 Paleoenvironmental Studies in Indonesia

Paleoclimate and magnetic diagenesis in lake sediments: A case study from Lake Towuti, Sulawesi, Indonesia

Satria BIJAKSANA, Gerald TAMUTUAN, Nurul AUFA, La Ode SAFIUDDIN,
James RUSSELL, John KING*

Late Quaternary Paleoenvironmental Change in the Okinawa Trough and Ryukyu Fore Arc Regions in the Northwestern Pacific

WAHYUDI, Masafumi MURAYAMA, Masao MINAGAWA, Tadamichi OBA*

11:40-12:00 Discussions and Concluding Remarks