

**POSTER
PRESENTATION**

28TH - 29TH AUGUST

!

TS1-2	Aeolian systems	Core time: 17:40-19:00, 28th Aug (Mon)
Poster		

Chair persons: S.O. Franz, Y. Makino and L. Hansen

- P-001!** *Yu, K.-M., Shin, J.-B. and Naruse, T.!*
! Loess-paleosol stratigraphy of Dukso area, Namyangju city, Korea and correlation with Chinese loess-paleosol stratigraphy.
- P-002!** *Paveli, D., Kovač, W. and Vlahovi, I.!*
! Periglacial aeolian-alluvial interaction: Pleistocene of the Island of Hvar (eastern Adriatic, Croatia).

TS1-3	Lacustrine and fluvial systems	Core time: 17:40-19:00, 28th Aug (Mon)
Poster		

Chair persons: S.O. Franz, Y. Makino and L. Hansen

- P-003!** *Eilertsen, R. and Hansen, L.!*
! Bedforms in the sandy-gravel bed river Glomma, southern Norway, revealed by interferometric sonar.
- P-004!** *Bauer, H., Cojan, I. and Chateaufneuf, J.-J.!*
! Global climatic changes of the Early and Middle Miocene recorded in continental and coastal deposits: example from the Digne basin, SE France.
- P-005!** *Hota, R.N. and Maejima, W.!*
! Geometry of the Interseam Sandbodies of the Permian Barakar Formation, Talchir Gondwana Basin, Orissa, India.
- P-006!** *Cojan, I., Beaudelot, C., Geffroy, F., Laratte, S., Rigollet, Ch. and Rivoirard, J.!*
! Process-based and stochastic modeling of fluvial meandering system. From model to field case study: example of the Loranca Miocene succession (Spain) .
- P-007!** *Hossain, I.!*
! Lithofacies and petrographic study of the Gondwana Group in the boreholes GDH-40 and GDH-43, Barapukuria basin, Dinajpur, Bangladesh.
- P-008!** *Hori, K.!*
! Sedimentary facies of the near-coastal fluvial system of the Nobi Plain, Japan.
- P-009!** *Chung, G.S.!*
! Modern example of development of architectural elements in the fluvial deposits of meander bends, the Yeongsan River, Korea.
- P-010!** *Shibata, K. and Ito, M.!*
! No significant change in fluvial channel patterns with base level rise, Paleogene Iwaki Formation of the Joban Coalfield, Japan.
- P-011!** *Makino, Y.!*
! Sedimentology of rivers with more and less clastic materials on the river bed.
- P-012!** *Da Silva, J.J.G.F., de Lima, M.O., Alves, A.C., Florencio, C.P., Roesner, E.H. and Spigolon, A.L.D.!*
! Occurrence of dropstones in an equatorial rift-lake, Early Cretaceous Potiguar Basin, northeast of Brazil.

TS1-8	Sea-level changes and sequence architectures	Core time: 17:40-19:00, 28th Aug (Mon)
Poster		

Chair persons: D. Nummedal and V. Abreu

- P-013!** *Sakai, T.!*
! Mid-Oligocene sea-level falling recorded in back-arc basin and shelf to deep-marine fan of forearc basins in Kyushu, Japan.
- P-014!** *Bassetti, M.A., Jouet, G., Dufois, F., Berne, S., Taviani, M., Lurton, X., Rabineau, M. and Theuillon, G.!*
! Sand bodies at the shelf edge in the Gulf of Lions (Western Mediterranean): deglacial history and modern processes.
- P-015!** *Ghandour, I.M. and Maejima, W.!*
! Facies analysis, sequence stratigraphy and tectono-sedimentary model of the Pre-Cenomanian deposits, Saint Paul Area, Southern Galala, Gulf of Suez, Egypt.
- P-016!** *Ghandour, I.M. and Maejima, W.!*
! Facies analysis, sequence stratigraphy and depositional model of the Middle Jurassic Lower Safa Member, Gebel Al-Maghara, Northern Sinai, Egypt.
- P-017!** *Lee, H.S. and Chough, S.K.!*
! Pyeongan supergroup (Carboniferous-Permian) in the Taebaek Area, mid-east Korea: depositional environments and sequence stratigraphy.
- P-018!** *Gabaglia, G.P.R., Rodrigues, E.B., Magalhães, A.J.C., Arregui, C. and Savini, R.!*
! Criteria to recognise sequence orders and tectonic imprint in cyclic siliciclastic record: a key to high-resolution stratigraphy.

TS2-1	Carbonate sediments: environments and processes	Core time: 17:40-19:00, 28th Aug (Mon)
Poster		

Chair persons: W.E. Piller, G. Cabioch and Y. Iryu

- P-019!** *López-Doncel, R., Rodríguez-Hernández, E. and Cruz-Márquez, J.!*
Lithologic control of the allochthonous deposits in a transitional "Platform - to - basin" area. - An example at the east - central portion of Mexico.
- P-020!** *Martini, R., Chablais, J., Kobayashi, F., Samankassou, E. and Sano, H.!*
Upper Triassic mid-oceanic atoll-type carbonate blocks in the Sambosan Terrane (Kumagawa River, southern Kyushu, SW Japan).
- P-021!** *Kakizaki, Y., Tanimizu, M., Nagaishi, K., Murayama, M. and Kano, A.!*
The Upper Jurassic - the Earliest Cretaceous limestones related sea-level change, Japan.
- P-022!** *Nakamura, T. and Nakamori, T.!*
A geochemical model for coral reef formation.
- P-023!** *Ikeda, E. and Iryu, Y.!*
Coral communities in a Pliocene atoll: Kita-Daito-Jima, northern Philippine Sea.
- P-024!** *Chen, D. and Qing, H.!*
Sedimentology and sequence stratigraphy of Mississippian carbonate-evaporites in the Canadian portion of Williston Basin.
- P-025!** *Prognon, F., Cojan, I., Demange, M., Kindler, P. and Thiry, M.!*
New evidences for a local origin of the parent material of the Bermuda Quaternary paleosols.
- P-026!** *Kurisasi, K. and Yoshimura, K.!*
Extraction of environmental information from annually layered terrestrial carbonates
- P-027!** *Oshimizu, T., Iryu, Y., Yamada, T. and Sato, T.!*
When did the "coral sea" form in the Ryukyus ?
- P-028!** *Hongo, C. and Kayanne, H.!*
Holocene coral reef development under high and low wave energy environment in the Ryukyu Islands, Japan.
- P-029!** *Hayakawa, N., Ueno, K., Nakazawa, T., Wang, Y. and Wang, X.-D.!*
Icehouse-type, meter-scale depositional sequences (cyclothems) on the Late Carboniferous - Early Permian Yangtze carbonate platform, South China.
- P-030!** *Nakazawa, T., Ueno, K., Kawahata, H., Fujikawa, M. and Kashiwagi, K.!*
Facies stacking patterns in high-frequency sequences influenced by longer-term sea-level change on a Permian Panthalassan oceanic atoll: an example from the Akiyoshi Limestone, Southwest Japan.
- P-031!** *Arai, K., Matsuda, H., Machiyama, H., Iryu, Y. and Tsuji, Y.!*
High-resolution seismic survey on the Quaternary sediment off Amami-o shima Island, northern Ryukyu Island Arc, Japan.
- P-032!** *Kosmas, G., Fontini, P.-P. and Avraam, Z.!*
A carbonate ramp type differentiation of the western Ionian basin during late Cretaceous (Campanian) to Paleogene (Eocene) (NW Greece).
- P-033!** *da Silva, A.-C., Loisy, C., Cerepi, A., Humbert, L., Razin, P., Toullec, R., Boichard, R., Caline, B. and Javaux, C.!*
Relationship between subaerial exposure features on a carbonate platform and reservoir properties (example of the Campo section, Spain, Paleocene).
- P-034!** *Yasukochi, T., Kayanne, H., Yamaguchi, T. and Yamano, H.!*
Sedimentary facies and formation of atoll islands in the Pacific.
- P-035!** *Shibasaki, T., Obara, T., Himeno, O. and Obara, H.!*
Reservoir properties and depositional facies of the Upper Kharai Carbonate Oil Reservoir, Offshore Abu Dhabi.
- P-036!** *Sagae, K., Iryu, Y., Yamamoto, K., Yamada, T., Chiyonobu, S. and Sato, T.!*
Upper Pliocene to Lower Pleistocene carbonate sequence on Okinawa-jima, Ryukyu Islands, southwestern Japan.
- P-037!** *Camoin, G.F., Iryu, Y., McInroy, D. and Expedition 310 Scientists!*
Preliminary results of the IODP Expedition 310 "Tahiti Sea Level".
- P-038!** *Tešovi, B.C., Glumac, B. and Buckovi, D.!*
Unraveling stratigraphic complexities in Lower Cretaceous (Barremian to Albian) strata of Istria, Croatia.
- P-039!** *Bahniuk, A.M., Rebelo, A.M.A., Reis Neto, J.M., Matsuda, N.S. and Juschaks, L.C.S.!*
Sedimentological and geomorphological aspect of Bacaetava Cave, PreCambrian Acungui Group, eastern of Parana - Brazil.
- P-040!** *Noike, K., Matsumoto, R., Gharai, M.H.M., Salamati, R. and Matsuda, N.S.!*
Carbon isotope anomaly of the "Yellow Beds" in the Lower Cambrian Mila Formation in Shahamizard, Alborz, northern Iran.
- P-041!** *Woo, J. and Chough, S.K.!*
Microbial bioherms of the Zhangxia Formation (Middle Cambrian), China: a chambered *Epiphyton* is a

pre-diagenetic precursor of *Renalcis*.

- P-042!** *Sasaki, K., Omura, A., Kuroiwa, N., Konishi, K., Matsuda, H. and Tsuji, Y.!*
 ! ²³⁰Th/²³⁴U and ¹⁴C dating of submerged coral reefs on the insular shelf off Irabu Island, Ryukyus, southwestern Japan.
- P-043!** *Machiyama, H.!*
 ! Temporal distribution of Late Palaeozoic reefs and reef-building organisms in Japan - its outline and palaeogeographic significance.
- P-044!** *van der Kooij, B., Immenhauser, A., Steuber, T., Hagmaier, M. and Bahamonde, J.!*
 ! Origin and driving mechanisms of volumetrically important radiaxial fibrous calcite precipitation on deep submarine slopes.
- P-045!** *Nakamori, T. and Nakamura, T.!*
 ! Definition of "negative feedback sedimentation" and "positive feedback sedimentation".
- P-046!** *Gradzi ski, M., Duli ski, M., Motyka, J. and Mrozi ska, T.!*
 ! Growth of calcite rafts in a cold water spring: the role of algae and water chemistry.
- P-047!** *Cabioch, G., Montaggioni, L., Frank, N., Paterne, M., Seard, C., Salle, E., Payri, C., Camoin, G. and Pelletier, B.!*
 ! Biofacies analyses from drowned reefs in the Marquesas archipelago (French Polynesia).

TS3-1	Physical processes of sedimentary structures	Core time: 17:40-19:00, 29th Aug (Tue)
Poster		

Chair persons: J. Southard, T. Muto and Y. Miyata

- P-048!** *Yamaji, A. and Yokokawa, M.!*
 ! Three-dimensional grain fabric: clustering for recognizing dominant combinations of orientations and shapes of grains.
- P-049!** *Nishio, T., Nakamura, Y., Yamamura, R., Iwata, H., Yokokawa, M., Naruse, H., Tsuchiyama, A., Uesugi, K., Nakano, T., Endo, N. and Yamaji, A.!*
 ! Are the changes in sediment concentration recorded by the three-dimensional grain fabric in plane-bed deposits? : analyses using the X-ray microtomography.
- P-050!** *Taniguchi, A., Naruse, H., Yokokawa, M., Hayashida, A. and Masuda, F.!*
 ! Intercomparison of the results obtained by different methods for grain fabric investigation of sedimentary rocks.
- P-051!** *Sakamoto, T., Takagawa, T. and Masuda, F.!*
 ! Control of river-bed sediment texture and channel gradient by the D₈₀ grain group.

TS3-2	Shallow-marine processes and sedimentation	Core time: 17:40-19:00, 29th Aug (Tue)
Poster		

Chair persons: G. Parker, T. Muto and Y. Miyata

- P-052!** *Sekiguchi, T. and Sunamura, T.!*
 ! A wave-flume study of threshold for ripple formation from beds with a perturbation.
- P-053!** *Yamaguchi, N., Sekiguchi, T. and Masuda, F.!*
 ! Cross-shore ripple variations under laboratory partially standing waves: a possible clue to paleo-wavelength.
- P-054!** *Takagawa, T.!*
 ! Hummocky cross-stratified bed deposition in a flume: depositional rate effects on bedforms and laminations.
- P-055!** *Hiroki, Y.!*
 ! Textural characterization of a Pleistocene mixed sand and gravel beach succession in Aichi, central Japan.
- P-056!** *Kawabe, T., Saito, S., Seo, K., Ito, S. and Murakami, A.!*
 ! Why the Lamellibranchia shell fossils trend downstream with the current? - hydrodynamics and sedimentology of Lamellibranchia fossils.
- P-057!** *Ravasopoulos, J., Christodoulou, D., Papatheodorou, G. and Ferentinos, G.!*
 ! Sedimentological and geochemical processes of an active pockmark field, Gulf of Patras, Greece: a multivariate statistical approach.
- P-058!** *Tateishi, M., Nguyen, V.L., Ta T.K.O., Tokuoka, T., Fukita, A., Nishimura, K. and Matsuda, S.!*
 ! Salt water intrusion in the Mekong River estuary, Vietnam: observation at the Co Chien River from 2000 to 2005.

TS3-3	Density flow processes and sedimentation	Core time: 17:40-19:00, 29th Aug (Tue)
Poster		

Chair persons: J. Southard, M. Yokokawa and T. Muto

- P-059!** *Batt, R., Hoyes, J., Peakall, J., Ingham, D., Elliott, L., Best, J. and Pourkashanian, M.!*
 ! How accurate are 1D, 2D and 3D models of density currents?

- P-060!** *Tokuhashi, S.!*
! **Hyperpycnal-flow deposits or storm deposits? Some remarks on the Pliocene shallow-marine turbidite sandstones deposited at the eastern margin of the Niigata back-arc basin, central Japan.**
- P-061!** *Miyata, Y.!*
! **Multiple inversely-graded units formed by upflow migration of antidunes under sustained low-density turbidity current.**
- P-062!** *Kim, B.C. and Lowe, D.R.!*
! **Depositional processes of a coarse-grained debris flow deposits in alluvial fan, Owens Valley, California.**
- P-063!** *Iatrou, M., Piper, D.J.W., Tripsanas, E., Papatheodorou, G. and Ferentinos, G.!*
! **Man-made gravitational flow deposits: a useful tool for studying the sedimentation processes in a seismically active graben, the Gulf of Corinth, Greece.**
- P-064!** *Matsuo, S., Miyata, Y. and Ishihara, Y.!*
! **Upper regime sedimentary structures in sandy pyroclastic flow deposits of the Seiganji tephra, northeast Kyushu, Japan.**
- P-065!** *Akiyama, M., Masuda, F., Haruta, Y., Matsumoto, D. and Tamura, T.!*
! **Characteristics of grain-size distribution and sedimentary structures of 2500-years BP "sandy debris flow" fan-deposit in Kyoto.**
- P-066!** *Kontani, Y. and Kamei, S.!*
! **Lateral and vertical facies changes of small debris flow deposits flowing into a subaqueous area: an example in the outcrop of Osaka Group at Ujitawara Town, southern part of Kyoto Prefecture.**
- P-067!** *Myrow, P., Lamb, M., Lukens, C. and Houck, K.!*
! **Wave-modified hyperpycnites of the Minturn Formation, central Colorado: depositional processes and paleohydraulics.**

TS4-1	Tectonics and sedimentation	Core time: 17:40-19:00, 29th Aug (Tue)
Poster		

Chair persons: C. Busby and O. Takano

- P-068!** *Kirillova, G.L.!*
! **Evolution of the east Asian margin in the Jurassic: tectonics, eustacy, and sedimentation.**
- P-069!** *Oiwane, H., Tohnai, S. and Kiyokawa, S.!*
! **Structural history of middle Koshikijima-Islands and Northern Okinawa Trough.**
- P-070!** *Yasunaga, M., Kiyokawa, S. and Uemura, K.!*
! **Geology of the northern part of Goto islands, Nagasaki Prefecture, Japan.**
- P-071!** *Pedersen, S.A.S.!*
! **Mud diapirs exposed in a cross-section of a Pleistocene thin-skinned thrust-fault system characterised by imbricate fans and duplex units.**
- P-072!** *Kawakami, G.!*
! **Tectonically controlled evolution of the foredeep turbidites in the Miocene arc-arc collision zone, Hokkaido, Japan.**
- P-073!** *Takano, O., Hamada, Y., Tanaka, Y., Foronda, J. and Pangilinan, Jr., A.!*
! **Tectonic controls on mixed carbonate-siliciclastic-volcaniclastic systems in an inverted rift basin: sedimentary basin analysis of the Neogene Visayan Basin, the Philippines.**
- P-074!** *Cuong, N.Q., Swierczewska, A., Wysocka, A., Pha, P.D. and Huyen, N.X.!*
! **Activity of the Cao Bang - Tien Yen fault zone (NE Vietnam) - record in associated sedimentary basins.**
- P-075!** *Chiyonobu, S., Saito, T. and Sato, T.!*
! **Facies analysis of the deltaic sediments and olistostrome found in Mt. Taiheizan area, central part of Akita, northern Japan - its tectonic significance relation to folding structure in Akita oil field.**
- P-076!** *Amano, K., Martin, A.J., Matsubara, N., Yoda, N. and Aizu, T.!*
! **Reconstruction of paleo-oceanic arc volcanoes in an arc-arc collision zone - south Fossa Magna, central Japan.**
- P-077!** *Kr zsek, C.S., Filipescu, S., Matenco, L., Silye, L. and Cloetingh, S.!*
! **Middle to Late Miocene sedimentary sequences of the southern Transylvania Basin (Romania): insights into the uplift history of the Carpathians.**
- P-078!** *Yamaguchi, Y., Nakajo, T., Komatsubara, J. and Ohtake, S.!*
! **The collapsed deposits at the early stage of Japan Sea spreading of the Taishu Group in the Saozaki area, the northwestern Tsushima Islands, Japan.**
- P-079!** *Depowska, A.!*
! **Anticlockwise tectonic movements during the Zechstein Main Dolomite deposition. A case study from the north-west Wolsztyn High (western Poland).**
- P-080!** *Tohnai, S., Itaya, T., Oiwane, H. and Kiyokawa, S.!*
! **Stratigraphy and tectonic evolution of the northern part of Koshikijima islands, west of Kyushu, Southwest Japan.**
- P-081!** *Hasegawa, T.!*

! Geology of northeast part of Fukue Island, Goto islands, Nagasaki Prefecture.

TS4-2	Basin analysis and stratigraphic modelling	Core time: 17:40-19:00, 29th Aug (Tue)
Poster		

Chair persons: C. Paola and O. Takano

P-082! *Robador, A. and Baceta, J.I.!*

! Stratigraphic architecture and sea-level variations of Paleocene-lower Eocene carbonate platforms (southern Pyrenees, Spain).

P-083! *Huseynov, R. and Aliyeva, E.!*

! 3D modeling of stratal architecture of hydrocarbon bearing south Caspian Pliocene fluvial-lacustrine succession, Azerbaijan.

P-084! *Kubo, Y., Syvitski, J.P.M., Hutton, E.W.H. and Tanabe, S.!*

! Numerical study on formation of Tokyo lowland by paleo Tonegawa over the last 13,000 years.

TS5-2	Clay mineralogy and geochemistry	Core time: 17:40-19:00, 29th Aug (Tue)
Poster		

Chair persons: H.I. Yoon, M. Kametaka and K. Yoshida

P-085! *Wajima, T., Shimizu, T. and Ikegami, Y.!*

! Formation of zeolitic phases from sandstone filler using alkali fusion.

P-086! *Ishihama, S. and Matsumoto, R.!*

! Lithological and geochemical evidence of oxygen-depleted condition from late Pliensbachian to early Toarcian black shale in the Toyora Group, southwest Japan.

TS5-3	Siliceous and phosphatic sediments	Core time: 17:40-19:00, 29th Aug (Tue)
Poster		

Chair persons: H.I. Yoon, M. Kametaka and K. Yoshida

P-087! *Kakuwa, Y., Xia, W., Wang, G. and Zhang, N.!*

! Frasnian/Famennian and Devonian/Carboniferous boundaries identified in the deep-sea chert of Bancheng, South China.

P-088! *Ogihara, S.!*

! The role of bacteria in the formation of phosphorite nodules from Late Pleistocene Kusu basin, northern Kyushu, Japan.

P-089! *Kametaka, M., Takebe, M., Nagai, H. and Zhu, S.!*

! Petrological characteristics of phosphate nodules from the Middle Permian Gufeng Formation at the Chaohu area, NE Yangtze Platform, China.

P-090! *Sakuma, H., Tada, R., Kashiwama, Y., Ohkouchi, N., Ogawa, N., Watanabe, S., Tajika, E. and Yamamoto, S.!*

! Organic carbon isotope and major element composition variations in the lowest Triassic black shale, siliceous shale and chert sequence in the Mino Terrane, central Japan.

TS5-4	Ironstone and metalliferous sediments	Core time: 17:40-19:00, 29th Aug (Tue)
Poster		

Chair persons: H.I. Yoon, M. Kametaka and K. Yoshida

P-091! *Huseynov, D.!*

! Source rocks and associated oil bearing gold deposits in the south Caspian sedimentary basin.

P-092! *Ito, T.!*

! Cenozoic fossil manganese oxides; their time-space distribution and REE compositions.

TS5-5	Inorganic geochemistry and chemostratigraphy	Core time: 17:40-19:00, 29th Aug (Tue)
Poster		

Chair persons: H.I. Yoon, M. Kametaka and K. Yoshida

P-093! *Yoshida, K., Horikawa, T. and Kasuya, T.!*

! Stratigraphy & geochemical significance of the lower part of the Triassic Inai Group in the South Kitakami Terrane, northeast Japan: - implications for early Triassic climate in the South Kitakami Terrane.

P-094! *Yamanaka, A. and Yoshida, K.!*

! Chemical composition and ichnofacies of mudstones of the Lower Triassic Osawa Formation in the Ogatsu area, South Kitakami Terrane, northeast Japan.

P-095! *Yamamoto, H., Hamada, Y., Yue, L., Setsuda, Y. and Matsumoto, R.!*

! High resolution carbon isotopic analysis across the Ordovician-Silurian boundary of the Wangjiwan Section, South China.

P-096! *McArthur, J.M. and Howarth, R.J.!*
Strontium isotope stratigraphy.

TS7-1 Marine sediments and sedimentology

Poster

Core time: 17:40-19:00, 28th Aug (Mon)

Chair persons: K. Arai and K. Ikehara

P-099! *Miyakawa, A., Miyoshi, T., Yamada Y. and Matsuoka, T.!*

Permeability structure of a modeled accretionary wedge and its development process.

P-100! *Kawamura, N., Kawamura, K. and Ishikawa, N.!*

Rock magnetic properties of superficial sediments from the Nansei-shoto (Ryukyu) Trench: implications for early diagenetic effects.

P-101! *Hunter, S., Wilkinson, D., Stow, D., Bacon, S., McCave, N., Stanford, J. and Rohling, E.!*

Recent sedimentation and deep western boundary current flow across the Eirik Drift, southern Greenland margin, revealed by a combination of geologic and hydrographic studies.

P-102! *Omura, A., Ikehara, K. and Yasuda, H.!*

Deep-sea sedimentation, origin and accumulation rate of organic carbon controlled by relative sea-level changes, examples from the Kumano Trough, offing of central Japan, during the last deglaciation.

P-103! *Kubo, T. and Ito, M.!*

Distribution patterns of siltstone clasts in turbidites and their relation to grain fabric of host turbidites.

P-104! *Kubo, T., Umetsu, R. and Ito, M.!*

Grain fabric of turbidites: implications for depositional processes and flow conditions of turbidity currents.

P-105! *Shirai, M., Tsukamoto, S. and Omura, A.!*

An attempt estimating incorporation ratio of old grains into turbidity current using an optically stimulated luminescence technique.

P-106! *Chiang, C.-S. and Yu, H.-S.!*

Marine hyperpycnal flows in the Kaoping Canyon and Capbreton Canyon: comparisons between morphology and seismic facies.

P-107! *Doi, T., Dickens, G., Snyder, G. and Muramatsu, Y.!*

Barium cycling in marine sediment recovered from the continental margin of Peru.

P-108! *Haywick, D.W., Brenner, M.L. and Webb, P.!*

The effects of multiple hurricane impacts on a small Gulf Coast estuary, Weeks Bay, Alabama, USA.

P-109! *Choi, J.-M., Woo, H.-J. and Lee, Y.-G.!*

Sediment behavior mechanism in semi-closed bay -Yeoja Bay, south coast of Korea-.

TS7-2 Sediments and sedimentary processes on continental shelves

Poster

Core time: 17:40-19:00, 28th Aug (Mon)

Chair persons: M.Z. Li and P.R. Hill

P-110! *Katayama, H., Ikehara, K., Tsujino, T., Suga, K., Sagayama, T., Irino, T. and Omura A.!*

Deposition and preservation of the flood sediments caused by the Typhoon 200310 on the shelf off Hidaka, Hokkaido, Japan.

P-111! *Szczuci ski, W., Statterger, K. and Scholten, J.!*

Modern sediment accumulation rates and sediment transport in the monsoonal narrow shelf setting off central Vietnam, South China Sea.

P-112! *Uehara, K. and Saito, Y.!*

Tidal influence on the transport of suspended matter in the southern Yellow Sea at 6000 years ago.

P-113! *Wang, G., Shi, X. and Liu, Y.!*

In-situ investigation of suspended particulate matter at the Yangtze River estuary in winter.

TS9-3 Tsunami, storm hazards and related sediments

Poster

Core time: 17:40-19:00, 28th Aug (Mon)

Chair person: F. Nanayama

P-114! *Nanayama, F., Shigeno, K., Soeda, Y. and Furukawa, R.!*

Nine outsize tsunami deposits from the past 4000 years at Kiritappu marsh along the southern Kuril subduction zone, northern Japan.

P-115! *Nanayama, F., Soeda, Y., Furukawa, R., Inokuma, S. and Shigeno, K.!*

Stratigraphic succession for large tsunami traces in Nemuro coastal zone along the Kuril subduction zone, northern Japan.

P-116! *Goto, K., Tada, R., Tajika, E. and Matsui, T.!*

Crater-generated tsunamis: possible generation mechanism of the impact-tsunami at the Cretaceous/Tertiary boundary.

P-117! *Matsumoto, D.!*

Tsunami-induced thick sandstone bed in shallow-marine environment.

- P-118!** *Shigeno, K. and Nanayama, F.!*
Inflow and outflow facies from the 1993 Hokkaido-nansei-oki earthquake tsunami, northern Japan.
- P-119!** *Takashimizu, Y., Sagayama, T., Nishina, K., Oka, T., Nakamura, Y. and Nishimura, Y.!*
Seventeenth century tsunami deposit in eastern Iburi, Hokkaido, northern Japan.
- P-120!** *Komatsubara, J., Fujiwara, O., Takada, K., Sawai, Y., Aung, T.T. and Kamataki, T.!*
Historical tsunami/storm deposits from western Shizuoka Prefecture, central Japan.
- P-121!** *Fujiwara, O., Sakai, T. and Haraguchi, T.!*
Tsunami beds and their sedimentary structures from the lagoon mud of the Isumi River lowland, central Boso Peninsula, Pacific coast of Japan.

TS10-1	Resource sedimentology: hydrocarbon, coal and placer deposits
Poster	Core time: 17:40-19:00, 28th Aug (Mon)

Chair persons: S. Lang, H. Arato and T. Nakanishi

- P-122!** *Yanagimoto, Y.!*
Laumontite in reservoir rocks and its relation to secondary pore formation in some Japanese oil and gas fields.
- P-123!** *Mo, H.-J., Huang, W.-L. and Machnikowska, H. !*
Generation and expulsion of petroleum from coal macerals visualized *in-situ* during semi-open and closed system pyrolysis.
- P-124!** *Amo, M., Suzuki, N., Shinoda, T., Ratnayake, N.P. and Takahashi, K. !*
Pristene, phytene, and sterenes in immature Horonobe diatomaceous sediments as potential indicators of paleo-temperature and depositional environment.
- P-125!** *Prashnowsky, A.A.!*
Geochemical investigations on enhydros from South America.
- P-126!** *Burger, K. and Prashnowsky, A.A.!*
Sedimentological and biogeochemical investigations on coals and "Kaolin-Kohlesteinen" from the Upper Carboniferous of the Ruhr Basin and South Limbourg (Holland).
- P-127!** *Rodríguez Brizuela, R., Barreda, V., Santillana, S. and Marensi, S. !*
Shallow marine palynofacies from K/P boundary, Marambio (Seymour) Island, Antarctic Peninsula.
- P-128!** *Ikehara, K., Arita, M., Katayama, H. and Kinoshita, Y. !*
Distribution and formation processes of marine fine aggregates around the Japanese islands.
- P-129!** *Anastasiu, N., Popa, M., Roban, R.-D. and Dragan, E. !*
Resources of quartz sand in Romania - new occurrences and petrographical features.

TS11-1	Lake sediment archives and environmental changes
Poster	Core time: 17:40-19:00, 29th Aug (Tue)

Chair person: F. Kumon

- P-131!** *Liu, X., Shen, J., Ulrike, H., Jiang, Q., Xiao, X. and Matsumoto, E.!*
Holocene environmental and climatic changes of Wulungu Lake in northern Xinjiang, China.
- P-132!** *Wang, S. and Shen, J.!*
A review of the study on cores in the Qinghai Lake area.
- P-133!** *Lee, Y.I., Lim, H.S., Yoon, H.I. and Tatur, A.!*
Characteristics of tephra in Holocene lake sediments on King George Island, west Antarctica: implications for deglaciation and paleoenvironment.
- P-134!** *Fujii, R., Kuwahara, Y. and Sakai, H.!*
Changes in Indian monsoon recorded in the Pleistocene Kathmandu Basin sediments, central Himalaya, by pollen and clay mineral analyses.
- P-135!** *Fuchs, M., Beres, M. and Anselmetti, F.S.!*
Holocene stratigraphy and paleoclimatic implications in the Lake Brenet Basin (western Switzerland) aided by high-resolution geophysical methods.
- P-136!** *De Batist, M., Charlet, F., Verschuren, D., Bessems, I., Olago, D., Muzuka, A. and Trauth, M.!*
Two glacial-interglacial cycles of lake-level change in equatorial East Africa documented by high-resolution seismic sequence stratigraphy from Lake Challa (Kenya).
- P-137!** *De Batist, M. and the ENSO-Chile Project Team!*
An 18,000-year multiproxy lacustrine record of climate variability in south-central Chile: Lago Puyehue, Chilean Lake District.
- P-138!** *Inouchi, Y., Kumon, F., Kondo, Y., Suzuki, K., Inoue, T., Iwamoto, N., Amano, A., Ashida, T. and Murakami, F.!*
Sedimentation model for reconstruction of paleo-lake levels of Lake Nojiri, central Japan.
- P-139!** *Mampuku, M., Yamanaka, T., Uchida, M. and Sakai, H.!*
Changes in C₃/C₄ vegetation and estimation of aridity in the southern slope of the central Himalayas during glacial-interglacial periods.

- P-140!** *Xiao, X., Shen, J., Xiao, H. and Tong, G.*
! Vegetation and climate changes of the Heqing basin region, Yunnan Province, reconstructed from palynological data since Middle Pleistocene.
- P-141!** *Sakai, H., Fujii, R., Kuwahara, Y., Hayashi, T., Mampuku, M., Paudel, M.R., Toyota, K., Sakai, H. and Uchida, M.*
! Pleistocene depositional and tectonic history of the Kathmandu Valley, central Nepal, revealed by the Paleo-Kathmandu Lake project.
- P-142!** *Hayashi, T., Sakai, H., Yamanaka, T., Tanimura, Y., Yanagi, W., Sakai, H. and Uchida, M.*
! Middle to late Pleistocene monsoonal environments by analyses of fossil diatom assemblages and biogenic silica contents in Paleo-Kathmandu Lake sediments.
- P-143!** *Miyaguchi, A., Liu, X., Shen, J. and Matsumoto, R.*
! Environmental change of the Qinghai-Tibetan Plateau recorded in the Lake Qinghai sediments.
- P-144!** *Kumon, F., Kanamaru, K., Tawara, T., Kakuta, N., Yamamoto, M. and Hayashi, H.*
! Implication of total organic carbon contents (TOC) of lake sediments as a paleoclimate proxy - an examination based on modern relationship among chlorophyll a, weather factors and TOC content in Lake Kizaki, central Japan-
- P-145!** *Liu, E., Shen, J., Yang, X. and Wang, S.*
! Variation characteristics of heavy metals and nutrients and their pollution history during the last 100 years reflected by core sediments of Taihu Lake, China.
- P-146!** Cancelled!
!

TS11-3	Paleoclimate of the Cretaceous in Asia	Core time: 17:40-19:00, 29th Aug (Tue)
Poster		

Chair person: F. Kumon

- P-147!** *Lee, Y.W. and Lee, Y.I.*
! Cretaceous paleosols in the Southeast Korea and the Southwest Japan, and their paleoclimate implications.
- P-148!** *Paik, I.S., Huh, M. and Kim, H.J.*
! Paleoclimatic records in the Cretaceous continental deposits in Korea.
- P-149!** *Sakai, T., Ohta, T., Saka, Y., Hirano, H., Iwasaki, T.S., Aida, K. and Li, G.*
! Sequence stratigraphy of the Early Cretaceous coal-bearing Jixi Group in Heilongjiang, NE China.

TS11-4	Paleoclimate of the Cenozoic in Asia	Core time: 17:40-19:00, 29th Aug (Tue)
Poster		

Chair person: F. Kumon

- P-150!** *Sasaki, T., Sugai, T., Yanagida, M., Nakagawa, T., Morita, Y., Furusawa, A., Fujiwara, O., Miyagi, T. and Moriya, T.*
! Reconstructed paleoclimate change during the past 300,000 years from the small basin deposit, central Japan.
- P-151!** *Isozaki, Y., Tada, R., Sun, Y., Toyoda, S., Tani, A. and Nagashima, K.*
! Evolution of interior aridity in East Asia since 7.2Ma based on eolian dust provenance analysis at Chinese Loess Plateau.

TS12-1	History of sedimentology	Core time: 17:40-19:00, 29th Aug (Tue)
Poster		

Chair persons: H. Okada, K. Hoyanagi and H. Machiyama

- P-152!** *Okada, H.*
! Prof. Tsugio Yagi (1897 - 1951), the first proposer of sedimentology in Japan.
- P-153!** *Okada, H.*
! Pioneer in lithology in Japan; Hanjiro Imai (1884 - 1938).

TS12-2	New technology for sediment analysis	Core time: 17:40-19:00, 29th Aug (Tue)
Poster		

Chair persons: K. Hoyanagi and H. Machiyama

- P-154!** *Lovea, M., Oaie, G., Dului, O.G., Neagu, M. and Szobotka S.*
! An on-board dual-energy X-ray computer tomograph: preliminary experiments and results.
- P-155!** *Radjabov, Sh.*
! Opportunities of the spectral analysis of layer' thickness in the section at studying processes of sedimentation.

**POSTER
PRESENTATION**

31ST AUGUST - 1ST SEPTEMBER

!

TS1-4	Barrier island and estuarine systems	Core time: 17:00-18:20, 31st Aug (Thu)
Poster		

Chair persons: P. Plint-Bjorklund and S. Yoshida

- P-161!** *Hu, G., Shen, H. and Li, U.!*
! Evolution of costal erosion and countermeasures of coastal protection in the Yangtze Estuary.
- P-162!** *Takano, O. and Waseda, A.!*
! Accommodation controls on coal-bearing fluvial sequences: channel/coal occurrence frequency and sequence stratigraphy of the Eocene Ishikari Group, Hokkaido, Japan.
- P-163!** *Eto, C., Ishihara, Y., Tanabe, S., Kimura, K. and Nakayama, T.!*
! Construction on the three-dimensional models of lithofacies and N-values: an example of the latest Pleistocene to Holocene incised-valley fills under the northern part of the Tokyo Lowland, central Japan.
- P-164!** *Ono, M., Komatsu, T., Naruse, H. and Kumagae, T.!*
! Transgressive siliciclastic shelf to basin succession within the Upper Cretaceous Himenoura Group.
- P-165!** *Tanabe, S., Ishihara, Y., Eto, C., Kimura, K. and Nakayama, T.!*
! Three-dimensional facies distribution of the latest Pleistocene to Holocene incised-valley fills under the northern area of the Tokyo Lowland, central Japan.
- P-166!** *Yoshida, M., Hoyanagi, K., Kondo, H., Inoue, H., Oishi, M., Yoshida, H. and Yanagisawa, Y.!*
! A high-resolution analysis of environmental changes for estuarine sediments: an example from the Pliocene Tatsunokuchi Formation, Iwate, north Japan.
- P-167!** *Umetsu, K., Ando, H. and Kurita, H.!*
! Sequence stratigraphy of the Upper Cretaceous Kuji Group in the western margin of the Cretaceous to Paleocene Yezo forearc basin, northeastern Japan.
- P-168!** *Nakajo, T.!*
! Storm and fluvial-flood sedimentation in a microtidal flat along the Kushida River estuary, Ise Bay, central Japan.
- P-169!** *Yang, B.C., Dalrymple, R.W., Gingras, M.K., Chun, S.S. and Lee, H.J.!*
! The characteristics of sediment facies and ichnology in a mixed-energy Gomso-Bay estuary, western coast of Korea.

TS1-5	Delta and fan delta systems	Core time: 17:00-18:20, 31st Aug (Thu)
Poster		

Chair persons: R. Steel and Y. Saito

- P-170!** *Nehyba, S.!*
! Unusual depositional architecture of foreland basin deposits - a case study of Carpathian foredeep basin (Neogene).
- P-171!** *Ohtake, S., Ito, M. and Nakajo, T.!*
! Temporal variations in major depositional processes of prograding deltaic systems in the Tertiary Taishu Group, Tsushima Islands, southwestern Japan.
- P-172!** *Hoyanagi, K., Yoshida, M. and Arato, H.!*
! Concentration of land-derived organic matter in turbidite mudstones, examples from Neogene backarc basin, Central Japan.

TS1-6	Shelf and shallow marine systems	Core time: 17:00-18:20, 31st Aug (Thu)
Poster		

Chair persons: A. Lin, R.W. Dalrymple and T. Tamura

- P-173!** *Park, S.-C., Han, H.-S., Lee, B.-H. and Jung, C.-K.!*
! Late Quaternary stratigraphy and development of tidal sand ridges in the eastern Yellow Sea.
- P-174!** *Hampson, G., Sixsmith, P., Gupta, S. and Johnson, H.!*
! Beyond parasequences: templates for high-resolution (bedset-scale) physical stratigraphy in regressive and transgressive shallow-marine strata.
- P-175!** *Huang, N.-W., Chen, W.-S., Wu, L.-C., Yu, N.-T., Yen, I.-C., Yang, C.-C., Chou, F.-H., Sung, S.-H. and Shiu, W.-J.!*
! Middle Pleistocene 6th-order incised-valley system in SW Taiwan foreland basin.
- P-176!** *Johannessen, P.N. and Nielsen, L.H.!*
! Why are spit-systems so seldom recognised in the geological record? - How can they be found and is it important?
- P-177!** *Yu, N.-T., Teng, S.L., Chen, W.-S. and Yen, I.-C.!*
! Upper Miocene shallow marine high-frequency sequence stratigraphy of siliciclastic outcrop strata in Taiwan.
- P-178!** *Nishida, N., Saeki, T., Kubo, T. and Ito, M.!*
! Migration directions and grain fabric of combined-flow deposits in a lower shoreface succession, the Middle

- P-179!** **Pleistocene Mandano Formation on the Boso Peninsula, Japan.**
Shinn, Y.J., Chough, S.K., Kim, J.W. and Woo, J.S.!
! **Seismic architecture and regional distribution of postglacial transgressive deposit in the southeastern Yellow Sea.**
- P-180!** *Dalrymple, R.W., Yang, B.C. and Chun, S.S.!*
! **Distinguishing sandy open-coast tidal flats from shorefaces: observations from the southwestern coast of Korea.**
- P-181!** *Mohammadhani, H., Khazaie, M. and Matsumoto, R.!*
! **Depositional environment of Upper Devonian siliciclastic deposits (Jeirud Formation) in central Alborz, northern Iran.**
- P-182!** *Kondo, H., Osano, Y., Yoshida, M., Hoyanagi, K. and Yanagisawa, Y.!*
! **Relationship between shelf sedimentation and climate changes in the upper Pliocene Dainenji Formation in Fukushima, northeastern Japan.**

TS1-7	Resedimentation and deep-water sedimentary systems	Core time: 12:40-14:00, 1st Sep (Fri)
Poster		

Chair persons: C. Pirmez, T. Sakai and K. Hoyanagi

- P-183!** *Osano, Y., Kondo, H., Hoyanagi, K. and Yanagisawa, Y.!*
! **Submarine canyon-fill and slump deposits on the shelf environment of Dainenji Formation on the Pacific coast area in the Fukushima Prefecture, northeastern Japan.**
- P-184!** *Anastasiu, N., Varban, B., Roban, R.-D. and Popa, M.!*
! **Paleogene turbidite systems in the eastern Carpathians, Romania - a comparative analysis.**
- P-185!** *Ishida, N.!*
! **Sedimentary evolution of the Upper Jurassic trench-slope basin deposit in the Southern Chichibu Terrane, Outer zone of Southwest Japan.**
- P-186!** *Brandes, C., Struß, I. and Winsemann, J.!*
! **Depositional architecture and stacking patterns of channel-levee complexes in the Sandino Basin, SW Nicaragua.**
- P-187!** *Ishihara, Y. and Oshikawa, M.!*
! **Bed thickness distributions of turbidite succession deposited offshore of a fan delta: an example of the Neogene Aoshima Formation, southwest Japan.**
- P-188!** *Roban, R.-D. and Anastasiu, N.!*
! **The sedimentary setting of Paleogene deposits from South Carpathians foreland basin, Romania.**
- P-189!** *Sakai, T. and Mishima, K.!*
! **Evolution of gravity flows on slope environments: a case study from the Miocene Ushikiri Formation, Shimane Prefecture, SW Japan.**
- P-190!** *Nakamura, K. and Ito, M.!*
! **Geometry and internal organization of hyperpycnites associated with a shelf-margin delta, a Middle Pleistocene Kokumoto Formation on the Boso Peninsula of Japan.**
- P-191!** *Gutierrez-Pastor, J., Pirmez, C., Flemings, P., Behrmann, J., John, C. and the Expedition 308 Shipboard Scientific Party!*
! **Sedimentologic characterization of turbidites of Brazos-Trinity Basin IV in the Gulf of Mexico: IODP expedition 308.**
- P-192!** *Stomka, T., Tajdu, A. and Krobicki, M.!*
! **Early Cretaceous debris flow deposits in the Cieszyn Beds of the Polish Flysch Carpathians.**
- P-193!** *Stomka, T. and Stomka, E.!*
! **Deep-sea fans and aprons system of the Godula beds siliciclastic sedimentation (Carpathians, Turonian-Santonian).**

TS2-2	Carbonate diagenesis, geochemistry and hydrogeochemistry	Core time: 17:00-18:20, 31st Aug (Thu)
Poster		

Chair persons: D. Chen and H. Matsuda

- P-194!** *Woo, K.S., Yoon, K.H., Nehza, O. and Lee, Y.J.!*
! **Microbial influence on marine diagenesis of the recent carbonate sediments and exposed reefal carbonates in the French Polynesia Islands (Tahiti, Moorea and Bora Bora), central Pacific.**
- P-195!** *Buckovic, D.!*
! **Jurassic carbonate succession of Gorski kotar (Western Dinarides - Croatia) as sedimentary reflection of geodynamics within the Peritethyan region.**
- P-196!** *Levresse, G., Tritlla, J., Bourdet, J., Pironon, J.J. and Carrillo-Chavez, A.!*
! **The influence of salt tectonics in the brine and hydrocarbon evolution of K-T-bearing oil fields, SE Mexico.**
- P-197!** *Tritlla, J., Levresse, G., Pironon, J., Carrillo-Chavez, A., Teinturier, S., Clara-Valdez, L., Martinez-Kemp, H.L. and Gonzalez-Posadas, F.!*

- ! **Fluid P-T conditions during burial diagenesis, methanogenesis and oil filling in Mesozoic dolostones from the Saramako oil field, SE Mexico.**
P-198! *Yamamoto, K., Iryu, Y. and Yamada, T.!*
- ! **Carbon and oxygen isotopic compositions of the articulate brachiopod *Kikaithyris hanzawai* (Yabe): a recorder of ambient oceanography.**
P-199! Cancelled!
- ! **P-200!** *Esaki, A., Moriki, Y., Yamada, S., Yamada, T. and Matsuda, H.!*
Preservation and diagenetic alteration of primary isotopic compositions of Pleistocene and Holocene hermatypic corals from the Ryukyu Islands.
- ! **P-201!** *Rabier, C., Anguy, Y., Cabioch, G., Palomo, E. and Genthon, P.!*
Observation and modeling of a calcitization process in Pleistocene *Porites* corals of New-Caledonia.

TS2-3	Dolomites and evaporites	Core time: 17:00-18:20, 31st Aug (Thu)
Poster		

Chair persons: D. Chen and H. Matsuda

- ! **P-202!** *Mizunaga, T., Hashimoto, N. and Matsuda, H.!*
Subsurface stratigraphy and distribution of dolomites in Minami-daitojima Island, Japan.
- ! **P-203!** *De Carvalho, M.D., Matsuda, N.S., Spadini, A.R., Muniz, M.C., De Araujo Marçal, R. and Jahnert, R.J.!*
Facies and dolomitization model from Eo/Mesoalbian and Aptian of Campos Basin, eastern of Brazil.
- ! **P-204!** *Basyoni, M.H., Mousa, B.A. and Aref, M.A.!*
Interpretation of the occurrence of lenticular gypsum-dominated coastal sabkha, Murayr area, Arabian Gulf, Saudi Arabia.

TS2-4	Climatic records in marine and freshwater carbonates	Core time: 17:00-18:20, 31st Aug (Thu)
Poster		

Chair persons: D. Chen and H. Matsuda

- ! **P-205!** *Piller, W.E., Harzhauser, M., Müllegger, S. and Mandic, O.!*
The giant oyster *Crassostrea gryphoides* as a proxy for seasonality during the Miocene.
- ! **P-206!** *Hori, M. and Kano, A.!*
Soil flux model reflecting on the temperature-dependent change in ^{13}C of freshwater carbonate tufa.
- ! **P-207!** *Kawai, T. and Kano, A.!*
Relationship between water chemistry and development of annual lamination in the tufa.
- ! **P-208!** *Takashima, C. and Kano, A.!*
The origin and process of daily lamination developed in travertines at Shionoha hot-spring, Nara Prefecture, Japan.
- ! **P-209!** *Watanabe, T., Suzuki, A., Kase, T., Minobe, S., Kameo, K., Minoshima, K. and Kawahata, H.!*
Coral evidence of El Nino events during the Pliocene Warm Period.

TS2-5	Microbialites	Core time: 17:00-18:20, 31st Aug (Thu)
Poster		

Chair persons: D. Chen and H. Matsuda

- ! **P-210!** *Gong, S.-Y., Mii, H.-S., Wu, M.-S., Lin, K.-A., Wang, S.-W., Chou, T., Chou, W.Y.W., Wu, J.-C. and Wang, Y.-R.!*
Hydrocarbon-induced carbonate cements in subsurface environment in the Eocene Grebe Sandstone of the Vulcan sub-basin, Timor Sea, Australia.
- ! **P-211!** *Mohr, K., Bruns, S., Behnke, A., Kipp, V., Brambilla, E., Päuker, O., Cousin, S., Steiner, U., Shiraishi, F., Reimer, A., Arp, G., Friedl, T. and Stackebrandt, E.!*
Microalgal and prokaryotic biodiversity in tufa-forming biofilms of two German hardwater creeks.
- ! **P-212!** *Karlinska, K., Arp, G., Reitner, J. and Schumann, G.!*
Prokaryotic communities in calcifying microbial mats of hypersaline lakes on Kiritimati, Republic of Kiribati, central Pacific.
- ! **P-213!** *Kakuwa, Y. and Matsumoto, R.!*
Origin of so-called thrombolite of the Permian/Triassic boundary, Abadeh, Iran.
- ! **P-214!** *Togo, T. and Kano, A.!*
Hypersaturation enhanced microbial production between the last snowball earth and Cambrian explosion observed in the Dengying Formation, SW Shaanxi, China.
- ! **P-215!** *da Silva Juschaks, L.C., Matsuda, N.S., dos Reis Neto, J.M. and Bahniuk, A.M.!*
Facies and geochemistry of low metamorphosed Proterozoic Capiru Formation carbonates from southern of Brazil.
- ! **P-216!** *Wang, S.-W., Mii, H.-S., Dai, C.-F. and Gong, S.-Y.!*

! Late Cenozoic cold-seep carbonates in a foreland setting of SW Taiwan.

P-217! *Ezaki, Y. and Liu, J.!*

! Lowest Triassic microbialites in South China: geomicrobiological proxies for their textures and structures.

TS5-1	Sandstone petrology: provenance and diagenesis	Core time: 17:00-18:20, 31st Aug (Thu)
Poster		

Chair persons: H.I. Yoon, M. Kametaka and K. Yoshida

P-218! *Yagishita, K., Ohkubo, K. and Yoshida, N.!*

! **Relative durability of chert and rhyolite in the Oligocene fluvial conglomerates and sandstones, northeast Japan: with their special reference to clast-size distribution.**

P-219! *Kwon, Y.-I. and Lee, S.-G.!*

! **Characterization of sedimentary quartz grains by geochemical proxies: an example from Taklimakan, Ordos, and Alashan deserts, China.**

P-220! *Togami, A. and Hisada, K.!*

! **Modal analysis of coastal sand in the Honshu arc - Izu arc collision zone, central Japan.**

P-221! *Hodireva, V. and Korpechkov, D.!*

! **Specific compositional modifications of heavy mineral association in Upper Devonian sandstones (Latvia).**

P-222! *Góes, A.M., Rossetti, D.F. and Mendes, A.C.!*

! **Applying heavy minerals to improve the stratigraphy of the Rio Capim Kaolin (Ipixuna Formation), northern Brazil.**

P-223! *Al-Juboury, A.I.!*

! **Mineral and chemical indicators of Miocene sediments from northern Iraq.**

P-224! *Sasao, E.!*

! **Mineral assemblage and geochemistry of sandstones of the Miocene Mizunami Group, central Japan - a key to reconstructing the Miocene volcanic activities -.**

P-225! *Dong, Y., Zhou, H., Zhang, N. and Xia, W.!*

! **Depositional systems, terrigenous heavy minerals-dispersed patterns and high quality reservoirs of upper Dongying Formation (upper Oligocene) in the north Bohaiwan oil-bearing basin, north China.**

P-226! *Yoshida, K., Iba, Y. and Taki, S.!*

! **Early Cretaceous tectonics in the forearc region deduced by sandstone provenance and the existence of serpentine bearing conglomerate.**

TS6-1	Volcanic architecture	Core time: 12:40-14:00, 1st Sep (Fri)
Poster		

Chair person: K. Kano

P-227! *Hoshizumi, H., Uto, K., Matsumoto, A. and Kurihara, A.!*

! **Growth and eruption history of Unzen Volcano, Japan: results of two flank drillings of Unzen Scientific Drilling Project (USDP).**

P-228! *Kobayashi, N., Kano, K. and Ohguchi, T.!*

! **Volcanic architecture produced in the initial stage of the Japan Sea opening: the Monzen Formation, Oga Peninsula, NE Japan.**

P-229! *Baba, K., Yagi, M., Yamada, Y., Higashi, M. and Ohguchi, T.!*

! **The volcanic facies architecture of felsic subaqueous volcano in the Miocene Onnagawa Formation, east of Akita City, northeast Honshu, Japan.**

P-230! *Jeong, J.O., Kwon, C.W. and Sohn, Y.K.!*

! **Anatomy of a basin-wide tuff unit in the Miocene Eoil Basin, SE Korea: primary vs. secondary sedimentation and implications for basin configuration.**

P-231! *Jeon, Y.M., Kim, S.B., Park, K.H., Jeong, J.O. and Sohn, Y.K.!*

! **Mixed peperitic/clinkery deposits formed by complex interactions of aa lavas and alluvial-plain sediments in the Cretaceous Gyeongsang Basin, Korea.**

TS6-2	Pyroclastic density currents	Core time: 12:40-14:00, 1st Sep (Fri)
Poster		

Chair person: K. Kano

P-232! *Suzuki-Kamata, K., Kusano, T. and Yamasaki, K.!*

! **Grain size distribution and fracture strength of block-and-ash flows.**

P-233! *Furubayashi, T., Ishida, A. and Suzuki-Kamata, K.!*

! **Eruption and flow mechanism of Ikeda pyroclastic flow in southwestern Japan.**

P-234! *Fulop, A. and Kovacs, M.!*

! **Middle Miocene sediment gravity flows of pyroclastic origin in Gutai Mts, north western part of Romania.**

TS6-3	Lahars and debris avalanches	Core time: 12:40-14:00, 1st Sep (Fri)
Poster		

Chair person: **K. Kano**

P-235! *Onoue, T.!*

! **Jurassic volcanic debris avalanche deposit of seamount, Sambosan accretionary complex, Japan.**

P-236! *Procter, J., Zernack, A. and Cronin, S.!*

! **Contrasting rheologies within volcanic flow deposits of the western ringplain of Mt. Taranaki, New Zealand.**

TS6-4	Volcaniclastic re sedimentation	Core time: 12:40-14:00, 1st Sep (Fri)
Poster		

Chair person: **K. Kano**

P-237! *Kawajiri, K., Noda, K., Yamashita, H. and Kubota, H.!*

! **Source area of the tephra from the Pliocene Nakatsu Group, central Japan, deduced from xenoliths and phenocrysts.**

P-238! *Nam, Y.J., Lee, Y.I. and Lim, H.S.!*

! **The occurrence and stratigraphic correlation of AT tephra-bearing layers at Korean Paleolithic sites.**

P-239! *Marx, R. and White, J.!*

! **Emplacement of Mio-Pliocene tephra beds, East Coast Basin, North Island, New Zealand.**

P-240! *Liu, Y., Shi, X. and Meng, X.!*

! **Volcanic tephra deposition in the Okinawa Trough during the last 40 ka.**

TS6-5	Subaqueous eruption and deposition	Core time: 12:40-14:00, 1st Sep (Fri)
Poster		

Chair person: **K. Kano**

P-241! *Sato, Y., Kano, K., Ohguchi, T. and Ogasawara, K.!*

! **Early Miocene Tateyamazaki intra-calderadeposits in Oga Peninsula, NE Japan: liquefaction upon its high-temperature emplacement.**

P-242! *Matsubara, N., Amano, K. and Kyoso, K.!*

! **Sedimentary facies of Miocene subaqueous volcanoclastics in Tanzawa area, south Fossa Magna, central Japan.**

P-243! *Fujibayashi, N., Asakura, K. and Hattori, T.!*

! **Facies change in submarine basaltic lava fountain deposits from the Middle Miocene Ogi Basalts, Sado Island, Japan.**

P-244! *Yagi, M., Baba, K., Ohguchi, T. and Yoshida, T.!*

! **Late Miocene - Early Pliocene submarine volcanoes (MSV) and volcanoclastic deposits in back-arc basin of Akita, northeast Honshu, Japan.**

P-245! *Kiyokawa, S., Ito, T., Ikehara, M. and Kitajima, F.!*

! **Middle Archean volcano-hydrothermal sequence: 3.2 Ga Dixon Island Formation, coastal Pilbara terrane, Australia.**

P-246! *Koge, S., Kiyokawa, S., Kitajima, F., Ikehara, M. and Ito, T.!*

! **The lateral change of sea-floor hydrothermal system 3.2Ga; the Black Chert Member of Dixon Island Formation in the coastal Pilbara terrane, western Australia.**

TS7-4	Cold seeps, gas hydrates and related phenomena: past and present	Core time: 17:00-18:20, 31st Aug (Thu)
Poster		

Chair persons: **R.G. Jenkins, R. Takeuchi and H. Tomaru**

P-247! *Minami, H., Todome, Y., Sakagami, H., Hachikubo, A., Krylov, A., Takahashi, N., Mazurenko, L., Matveeva, T., Obzhirov, A., Jin, Y.K. and Shoji, H.!*

! **Chemical analyses of pore water/gas hydrates water samples obtained from gas hydrate-bearing sediments offshore Sakhalin, Okhotsk Sea.**

P-248! *Hachikubo, A., Minami, H., Sakagami, H., Takahashi, N., Shoji, H., Khlystov, O., Zemskaya, T., Obzhirov, A., Jin, Y.K. and Mazurenko, L.!*

! **Calorimetric measurements on dissociation process of natural gas hydrates obtained from Sea of Okhotsk and Lake Baikal.**

P-249! *Kotani, R., Matsumoto, R., Ishida, Y., Hiruta, A. and Machiyama, H.!*

! **Unusual BSRs and methane activity off Shimokita Peninsula in the western North Pacific.**

P-250! *Machiyama, H., Kinoshita, M., Goto, T., Matsumoto, R., Takeuchi, R., Yamano, M., Hamamoto, H., Hiromatsu, M. and Komatsubara, J.!*

! **Heat flow measurement around the methane hydrate area, off Naoetsu, Japan Sea.**

P-251! *Tomaru, H., Lu, Z., Fehn, U. and the UT04&KY05-08 Scientific Parties!*

- ! **Halogen distribution and iodine isotopes of pore waters from the gas hydrate field in the Umitaka Spur and Joetsu Knoll, Japan Sea.**
- P-252!** *Watanabe, Y., Nakai, S., Matsumoto, R., Hiruta, A., Komatsubara, J. and Hiromatsu, M.!*
- ! **U-Th dating of carbonate nodules from methane seeps off Naoetsu, eastern margin of Japan Sea.**
- P-253!** *Takeuchi, E., Matsumoto, R. and Nakagawa, H.!*
- ! **Variation of benthic foraminiferal assemblage and carbon and oxygen isotopic composition for the last 28000 years in the methane seep area off Joetsu, eastern margin of Japan Sea.**
- P-254!** *Kaneko, R., Hayashi, T. and Naganuma, T.!*
- ! **Distribution of genes relevant to sulfate reduction in the Nankai Trough sediments, Japan.**
- P-255!** *Takeuchi, R. and Matsumoto, R.!*
- ! **Geological process of gas hydrate formation in the eastern Nankai Trough, off central Japan.**
- P-256!** *Hayashi, T., Kaneko, R. and Naganuma, T.!*
- ! **Distribution of genes relevant to methane oxidation in the Nankai Trough sediments, Japan.**
- P-257!** *Matsuda, N.S., Silveira, D.P., Caldeira, J.L., Tanaka, A., Fontana, R.L. and Da Silva Coelho, D.F.!*
- ! **The bottom simulating reflector of the Brazirian Atlantic coast.**
- P-258!** *Depreiter, D., van Rooij, D., Foubert, A., Poort, J., van Rensbergen, P. and Henriot, J.-P.!*
- ! **Gas hydrates and seeps at the Mercator MV site in the Gulf of Cadiz.**
- P-259!** *Naudts, L., Greinert, J., Artemov, Y. and De Batist, M.!*
- ! **Characterization of methane seep areas based on acoustic seafloor backscatter measurements.**
- P-260!** *Tanaka, K., Shinya, T., Miyata, T. and Tokuyasu, S.!*
- ! **Underground structure of on land mud volcanoes and its significances to the tunnel excavation in Niigata, central Japan.**
- P-261!** *Jenkins, R.G., Hikida, Y., Kaim, A. and Tanabe, K.!*
- ! **Development of a late Cretaceous methane-seep and an associated chemosynthetic community in Hokkaido, Japan.**
- P-262!** *Amini, A.!*
- ! **The study of sedimentology and petroleum geology of Naftlijeh mud volcano in the north of Iran.**

TS8-1	Fossil records in stratigraphic framework	Core time: 12:40-14:00, 1st Sep (Fri)
Poster		

Chair person: H. Ando

- P-263!** *Xia, W., Zhang, N., Wang, G. and Dong, Y.!*
- ! **Redefinition for Permian-Triassic extinction pattern by conodont and ¹³C isotopic correlation between the paleogeographic sections around Permian Tethys.**
- P-264!** *Stanley, Jr., G. and Onoue, T.!*
- ! **Sedimentology, corals, reef development and paleogeography of an ancient tropical oceanic seamount: the Sambosan Accretionary Complex of Kyushu, Japan.**
- P-265!** *Nakamura, H. and Sawada, K.!*
- ! **Study on organic molecules of woody fossil fragments in Cretaceous sandstones of Oyubari area, central Hokkaido, Japan: sedimentology and fossil diagenesis.**
- P-266!** *Shiine, H., Suzuki, N. and Ogasawara, K.!*
- ! **Biomarkers in mudstones from the Circum-North Pacific showing the changes in oceanographic conditions during the Eocene-Oligocene transition.**
- P-267!** *Cancelled!*
- !
- P-268!** *Hatakeda, K. and Suzuki, N.!*
- ! **A proposed high resolution Jurassic radiolarian biostratigraphy for international correlation of siliceous sediments.**
- P-269!** *Dos Santos, V.S.S., De Assis Silva, C.M., Alves, D.B., De Andrade, S.B. and Viviers, M.C.!*
- ! **Radiolaria-rich mudstones as a stratigraphic marker.**
- P-270!** *Nishizono, Y.!*
- ! **The Jurassic final sedimentary process of western Kyushu, Japan.**
- P-271!** *Gierlowski-Kordesch, E.H., Martino, R.L. and Cassle, C.F.!*
- ! ***Spirorbis* and carbonate textures: recognition of coastal transitions in Pennsylvanian cyclothems.**

TS8-2	Ichnology and sedimentary facies	Core time: 12:40-14:00, 1st Sep (Fri)
Poster		

Chair person: H. Ando

- P-272!** *Nara, M.!*
- ! **Ichnology and paleoecology of a transgressive coastal platform: an example from a middle Pleistocene high-frequency sequence of the Kiyokawa Formation, Choshi Peninsula, central Japan.**

P-273! *Ichihara, T. and Shimoyama, S.!*

! The relationships with two types of *Upogebia* major burrows and stratigraphic boundaries.

P-274! *Kukihara, R., Holbrook, J. and Lockley, M.G.!*

! Sedimentary biases in track preservation and recovery: a test across complex facies of the Cretaceous Dakota megatracksite.

TS8-3	Paleoecology, taphonomy and sedimentary records
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Poster

Core time: 12:40-14:00, 1st Sep (Fri)
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Chair person: H. Ando

P-275! *Tokuda, Y., Ezaki, Y. and Yokokawa, M.!*

! Adaptations to soft substrates of the Azooxanthellate, solitary scleractinian corals *Flabellum* and *Truncatoflabellum*: a flume-experimental approach.

P-276! *Nomura, S.!*

! Modes of fossil barnacle occurrences reflecting transgression in the Miocene Natori Group of the Moniwa-Goishi area, northeast Japan.

P-277! *Suzuki, A., Hiranaka, N. and Hikida, Y.!*

! Bioerosive structures of Miocene rock-boring bivalves in rocky-shore environments, northern Hokkaido, Japan.

P-278! *David, A., Kiss, B., Lesko, E. and Fodor, R.!*

! Taphonomic processes in the fossil assemblage of a Late Miocene age deltaic environment.

P-279! *Takahashi, K., Kondo, Y. and Kotake, N.!*

! Parasequence architecture and macroinvertebrate fossil assemblages in the Middle Miocene Tougane Formation, Shimane Prefecture, San-in, Japan.

P-280! *Ogasawara, K., Yamanoi, T. and Anma, R.!*

! Circum-Japan Sea depositional environments during the initiation of Japan Sea opening - the early Miocene Oizawa Formation, northeastern Asahi Mountains, NE Japan.

P-281! *Nakashima, R., Tanabe, S., Nakanishi, T., Miyachi, Y., Ishihara, Y. and Kimura, K.!*

! Molluscan assemblages from the latest Pleistocene to Holocene incised-valley fills under the Tokyo and Nakagawa lowlands, Kanto Plain, central Japan.

P-282! *Yokoyama, Y., Ando, H. and Kimura, Y.!*

! Paleoenvironmental changes detected from molluscan species composition in storm-generated allochthonous shell beds within the lower shoreface deposit of the Pliocene Dainichi Formation, Kakegawa Group, central Japan.

P-283! *Kondo, Y. and Ando, H.!*

! Shell beds as evolving sedimentary facies in post-Paleozoic siliciclastic, shallow-marine and brackish-water environments in Japan: temporal pattern of physical and taxonomic features.

P-284! *Ando, H.!*

! Taphonomy and sedimentological significance of large-scale oyster shell beds within the Cretaceous to Quaternary transgressive sediments in Japan.

TS9-1	Environmental sedimentology
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Poster

Core time: 12:40-14:00, 1st Sep (Fri)
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Chair person: K. Kashima

P-285! *Suggate, S. and Hall, R.!*

! A GIS approach to estimating sediment yields from SE Asia.

P-286! *Shiuhara, M., Torii, M., Watanabe, M., Matoba, T. and Kawamoto, G.!*

! Coastal erosion and beach loss at the Hyuga-nada coast in eastern Kyushu Island, Japan.

P-287! *Naya, T., Tanimura, Y., Kanai, Y., Kumon, F. and Amano, K.!*

! Natural and human-induced lake environmental changes reconstructed by paleolimnological analysis in Lake Kitaura, central Japan.

P-288! *Oki, K., Rifardi and Takashi, T.!*

! Relationship between sediments, benthic foraminifera and mercury in the south Yatsushiro Sea, Kyushu, Japan.

P-289! *Shiki, T. and Iso, Y.!*

! New concept "FREEZE" and sedimentological approach to "freeze"

P-290! *Prashnowsky, A.A., Jushkin, N.P., Burger, K., Maiiou, J., Papaxenopoulos, A. and Solomou, M.!*

! Radiochemical and biochemical investigations on sediments and waters from the salt lake of Larnaka, Cyprus.

TS9-2	Holocene stratigraphy and sedimentation
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Poster

Core time: 12:40-14:00, 1st Sep (Fri)
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Chair person: K. Kashima

- P-291!** *Shioya, F., Mii, T., Iwamoto, N. and Inouchi, Y.!*
Environmental changes during the late Pleistocene to Holocene within the Seto Inland Sea, offshore Matsuyama city, Japan.
- P-292!** *Rossetti, D.F., Valeriano, M.M. and Thallès, M.!*
Integration of spatial and sedimentological data as a tool for reconstructing the Quaternary history of the Arari Lake area, northeastern Marajó Island, Brazil.
- P-293!** *Rossetti, D.F. and Valeriano, M.M.!*
Relating a fan morphology to a Quaternary paleovalley system in the lowest Amazon Basin.
- P-294!** *Franzinelli, E. and Latrubesse, E.!*
The Negro River system: Holocene deposition of the Mariua Islands (Amazonia - Brazil).
- P-295!** *Choi, D.-L., Lim, D.-I. and Jang, M.!*
The Holocene sedimentary sequence in the semi-enclosed Masan-Jinhae Bay, South Sea of Korea.
- P-296!** *Bejarano, C. and Delgado, M.!*
Holocene deltaic evolution and sedimentation on the northern coast of Venezuela, South America.

TS9-4	Landslides, liquefaction and gravity flow	Core time: 12:40-14:00, 1st Sep (Fri)
Poster		

Chair person: K. Kashima

- P-297!** *Neuwerth, R., Suter, F., Gorin, G. and Guzman, C.!*
Soft-sediment deformations in Pleistocene sediments of central Colombia : the signature of liquefaction triggered by earthquakes.
- P-298!** *Moernaut, J., De Batist, M., Brummer, R., Pino, M. and Urrutia, R.!*
Paleoseismicity records from glacial lakes in South-Central Chile: mass-wasting events, homogenites and fluidization structures.
- P-299!** *Hansen, L., Eilertsen, R., Solberg, I.-L. and Rokoengen, K.!*
Facies characteristics of clay-slide deposits in deglaciated fjord valleys.

TS11-5	Sediment record on paleoceanography and paleoclimatology	Core time: 17:00-18:20, 31st Aug (Thu)
Poster		

Chair person: F. Kumon

- P-300!** *Sun, Y. and An, Z.!*
Trend, rhythm and amplitude of the East Asian monsoon variation since the late Pliocene recorded by eolian sediments in the Chinese Loess Plateau.
- P-301!** *Nifuku, K., Kodama, K., Shigeta, Y. and Naruse, H.!*
High resolution Maastrichtian stable carbon isotope stratigraphy in the Upper Cretaceous-Paleogene Nemuro Group, northern Japan.
- P-302!** *Okano, K., Sawada, K., Takashima, R., Nishi, H., Okada, H., Iijima, K. and Sakamoto, T.!*
Paleoredox conditions revealed from biomarkers in black shales deposited during Oceanic Anoxic Events in mid-Cretaceous.
- P-303!** *Yoon, H.I., Kim, Y., Forwick, M. and Vorren, T.O.!*
Glaciomarine sedimentation and its paleoclimatic implications on the West Spitsbergen fjord (Isfjorden) over the last 15000 years.
- P-304!** *Ichikawa, N., Hagiwara, N., Ito, M., Nakano, T., Inoue, A., Takano, S. and Nakamura, Y.!*
Glacioeustatic signatures of hemipelagic siltstones in a submarine-fan succession, the Lower Pleistocene Otadai Formation on the Boso Peninsula, Japan.
- P-305!** *Takashima, R., Nishi, H., Yamanaka, T., Mampuku, M., Nagai, K., Tomosugi, T. and Okada, H.!*
Late Aptian oceanic anoxic events in southeastern France.
- P-306!** *Mahmudy Gharai, M.H. and Matsumoto, R.!*
Lithofacies variety of the Late Devonian in Iran: implication for the environmental perturbation near the Frasnian-Famennian boundary.
- P-307!** *Shiau, L.-J., Chen, M.-T. and Wei, K.-Y.!*
A Late Quaternary paleoclimatological record of biogenic sedimentation from the southeastern South China Sea (IMAGES MD972142).
- P-308!** *Yu, P.-S., Chen, M.-T., Cacho, I. and Flores, J.A.!*
A possible global climate impact of equatorial Pacific Sea surface temperature variations during the MIS 13-15.

TS12-3	IODP and ICDP: new horizon of sedimentology	Core time: 12:40-14:00, 1st Sep (Fri)
Poster		

Chair persons: K. Hoyanagi and H. Machiyama

- P-309!** *Kawamura, K., Kawamura, N., Wilkens, R.H. and IODP EXP. 303 Shipboard Scientific Party!*

- ! **Progressive compaction process of void ratio, magnetic and micro fabrics of deep-sea sediments - examples of cores drilled from the NW Atlantic, IODP Expedition 303 -.**
P-310! *Saito, H. and Suzuki, N.!*
- ! **Distribution of deep subsurface bacteria as suggested by hopanetetrol in the accretionary prism of Nankai Trough, Japan.**
P-311! *Matsuda, H., Iryu, Y., Machiyama, H., Piller, W.E., Quinn, T.M. and Mutti, M.!*
- ! **Coral-reef front migration in the Ryukyu Arc: responses of high latitude coral reefs to Quaternary climatic changes in North Western Pacific.**

TS12-4	IODP Expedition 307 - Porcupine basin carbonate mounds
Poster	Core time: 12:40-14:00, 1st Sep (Fri)

Chair persons: K. Hoyanagi and H. Machiyama

- P-312!** *Kano, A., Ohmori, K., Kakizaki, Y., Takashima, C., Tanimizu, M., Murakami, M., Ferdelman, T., Williams, T., IODP Expedition 307 Scientists and Henriot, J.-P.*
- ! **Preliminary results of strontium isotope stratigraphy for the Challenger Mound sections drilled in IODP Expedition 307.**
- P-313!** *Takashima, C., Li, X., Kawai, T., Kano, A. and IODP Expedition 307 Scientists!*
- ! **Oxygen and carbon isotopic profile of a deep-water coral mound section drilled in IODP Expedition 307.**
- P-314!** *Sakai, S., Abe, K., Browning, E. and IODP Expedition 307 Scientific Party!*
- ! **The oxygen isotope stratigraphy from IODP Expedition 307, Challenger Mound in the Porcupine Seabight off western Ireland.**
- P-315!** *O'Donnell, R.D., Dorschel, B., Huvenne, V., Foubert, A., Wheeler, A.J. and the IODP Expedition 307 Scientific Party!*
- ! **Relationships in sedimentary records from the Belgica cold-water coral carbonate mound province, NE Atlantic: particle-size results for IODP Site 1317 and 1318.**
- P-316!** *Titschack, J., Foubert, A., Freiwald, A., Ferdelman, T.G., Kano A., Williams, T., Henriot, J.-P. and IODP Expedition 307 Scientists!*
- ! **X-ray Computer Tomography and Image Analyses as tool for coral quantification and identification in cold-water coral mounds (Challenger Mound, Porcupine Seabight, IODP Expedition 307).**
- P-317!** *Ben, D.M., Gaillot, P., Trevor, W., Henriot, J.-P. and the IODP Expedition 307 Scientific Party!*
- ! **Well log - core log and seismic integration in a coral mound environment, IODP Exp. 307, Porcupine Seabight, Ireland.**