

完新世東アジア水循環変動とグローバルモンスーン・
**Integrated Ocean Drilling Program Expedition 346 Asian
Monsoon**
成果報告シンポジウム

2017年3月18日～2017年3月20日

日本学術振興会 基盤研究 (S・A) 研究代表者：多田隆治

世話人：松崎賢史・高橋聡 (東京大学)

会場：四季の湯 強羅静雲荘 (文部科学省共済組合箱根宿泊所)

〒250-0408 神奈川県足柄下郡箱根町強羅 1320

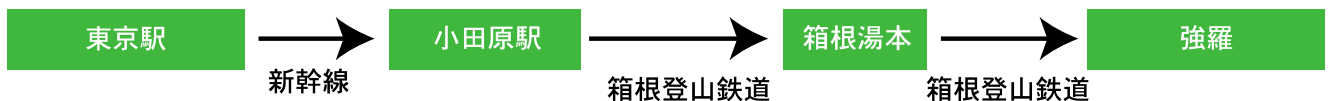
アクセス



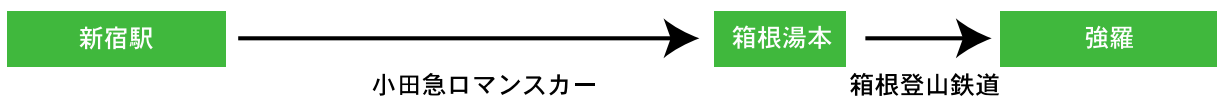
箱根登山線強羅駅より徒歩6分程度(画像は Google Map より)。

東京周辺~強羅駅：

経路1：4,050円（片道）



経路2：1,590円（片道）



スケジュール概要

3月18日(土)

12:30: 箱根強羅温泉 静雲荘 集合
14:00: シンポジウム開催
14:00～14:10: 多田先生からIODP Exp. 346についての紹介
14:15～16:15: IODP Exp. 346 : 研究成果報告会(1)
16:30～18:00: IODP Exp. 346 : 研究成果報告会(2)
18:00～20:00: 夕食

3月19日(日)

09:00～10:00: IODP Exp. 346 : 研究成果報告会(3)
10:00～10:10: 多田先生から完新世東アジア水循環についての紹介
10:15～12:00: 完新世東アジア水循環 (1)
12:00～13:00: 昼食
13:00～16:30: 完新世東アジア水循環 (2)
16:00～18:00: 小集会ディスカッション
18:30～20:00: 夕食

3月20日(月)

09:00～10:00: 共同研究構想紹介: Zheng Honbo教授
10:15～12:00: グループディスカッション
12:30～解散

プログラム

3月18日(土)

14:00~14:10:多田先生からIODP Exp. 346についての紹介

14:15~16:00: IODP Exp. 346 : 研究成果報告会(1)

14:15~14:45 :

- ❖ **Tomohisa Irino** (Hokkaido Univ.). *Differences in physical properties among Sites U1426, U1425, and U1424.*

14:45~15:15 :

- ❖ **Arisa Seki** (Univ. of Tokyo), **Ryuji Tada** (Univ. of Tokyo), **Shunsuke Kurokawa** (Univ. of Tokyo), **Masafumi Murayama** (Kochi Univ.). *Reconstruction of deep-water redox condition of the Japan Sea from Sites U1424 and U1425 sediment cores using XRF core scanner.*

15:15~15:45 :

- ❖ **Satoshi Takahashi** (Univ. of Tokyo), **Ryuji Tada** (Univ. of Tokyo), **Arisa Seki** (Univ. of Tokyo), **Tomohisa Irino** (Hokkaido Univ.). *Redox condition of deep water in the Japan Sea during late Pleistocene based on trace elements.*

15:45~16:15:

- ❖ **Ken Ikehara** (Geol. Surv. of Japan, AIST), **Michinobu Kuwae** (Ehime Univ.), **Keitaro Yamada**, **Keiji Takemura** (Kyoto Univ.) and **Tomohisa Irino** (Hokkaido Univ.) *Event deposits and their stratigraphic occurrence in Beppu Bay sediments.*

16:30~18:00: IODP Exp. 346 : 研究成果報告会(2)

16:30~17:00 :

- ❖ **Takuya Sagawa** (Kanazawa Univ.). *Japan Sea oxygen isotope stratigraphy and monsoon signals recorded in sedimentary color of IODP Site U1427.*

17:00~17:30 :

- ❖ **Yoshimi Kubota** (Nat. Museum of Science). *Understanding of East Asia summer monsoon variation based on trace element analysis (IODP Exp. 346, Site U 1429).*

17:30~18:00 :

- ❖ **Kazu Mitake** (Univ. of Tokyo), **Arisa Seki** (Univ. of Tokyo), **Ryuji Tada** (Univ. of Tokyo), **Shunsuke Kurokawa** (Univ. of Tokyo), **Masafumi Murayama** (Kochi Univ.). *Reconstruction of carbonate compensation depth (CCD) of the Japan Sea using XRF core scanner.*

3月19日(日)

09:00~10:00 : IODP Exp. 346 : 研究成果報告会(3)

09:00~09:30 :

- ❖ **Shunsuke Kurokawa** (Univ. of Tokyo), Ryuji Tada (Univ. of Tokyo), Arisa Seki (Univ. of Tokyo), Masafumi Murayama (Kochi Univ.) *Cyclo-stratigraphy and elemental composition of the Pliocene-Miocene interval in the Japan Sea sediments.*

09:30~10:00 :

- ❖ **Kenji M. Matsuzaki** (Univ. of Tokyo), Takuya Itaki (AIST), Ryuji Tada (Univ. of Tokyo), Shinichi Kamikuri (Ibaraki Univ.), Kurokawa Shunsuke (Univ. of Tokyo). *Evolution of the Japan Sea hydrographic system over the past 10 Myr, inferred from radiolarian data (IODP Exp. 346, Site U1425 & U1430).*

10:00~10:10:多田先生から完新世東アジア水循環についての紹介

10:15~12:00 : 完新世東アジア水循環 (1)

10:15~10:45 :

- ❖ **Yuya Tsunazawa** (Univ. Tokyo), Y. Kuboki (Univ. Tokyo), Ryuji. Tada (Univ. Tokyo), Hongbo Zheng (Nanjing Normal Univ.), Tomohisa Irino (Hokkaido Univ.), Keita Saito (Univ. Tokyo), Ke Wang (Univ. Tokyo), C. Luo (Nanjing Normal Univ.), Mengying He (Nanjing Normal Univ.). *Quantification of mineral composition of sediments including amorphous material. Application to sediment budget of modern Yangtze River.*

10:45~11:15 :

- ❖ **Keita Saito** (Univ. Tokyo), Ke Wang (Univ. Tokyo), Hongbo Zheng (Yunnan Univ.), Tomohisa Irino (Hokkaido Univ.), Saiko Sugisaki (AIST), Yoshiaki Suzuki (Univ. Tokyo), Shunsuke Kurokawa (Univ. Tokyo), Masao Uchida (NIES). *Provenance changes and depositional process of the sediments in the Yangtze Delta during the late Holocene: Application to reconstruct spatial pattern of summer precipitation in South China.*

11:15~11:45 :

- ❖ **Ke Wang** (Univ. Tokyo), Ryuji Tada (Univ. Tokyo), Hongbo Zheng (Yunnan Univ.), Tomohisa Irino (Hokkaido Univ.), Bin Zhou (Nanjing Univ.), Keita Saito (Univ. Tokyo), Yan Zheng (Chinese Academy of Science), Yoshiaki Suzuki (Univ. Tokyo). *Provenance changes of fine detrital quartz associated with shifts in East Asian Summer Monsoon front recorded in the inner shelf deposit of the East China Sea during the middle and late Holocene.*

13:00~17:00 : 完新世東アジア水循環

13:00~13:30 :

- ❖ **Yoshiaki Suzuki** (Univ. Tokyo), Ryuji Tada (Univ. Tokyo), Tomohisa Irino (Hokkaido Univ.), Kazuyoshi Yamada (Pref. Shizuoka), Kana Nagashima (JAMSTEC), Takeshi Nakagawa (Ritsumeikan Univ.), Tsuyoshi Haraguchi (Osaka City Univ.), Katsuya Gotanda (Chiba University of Commerce), SG12/06 Project members. *Quantitative reconstruction of flood history in central Japan during the last 7000 years using sediment of Lake Suigetsu.*

13:30~14:00 :

- ❖ **Kana Nagashima** (JAMSTEC), Yoshiaki Suzuki (The Univ. of Tokyo), Ryuji Tada (The Univ. of Tokyo). *Millennial-scale Westerly jet variation during the Holocene and its relation to the historical record in China.*

14:00～14:30 :

- ❖ **Takeshi Nakagawa** (Ritsumeikan Univ.), *An improved method of coherent depth (and age) control across multiple cores from remote origins (an introduction of "LevelFinder Duo" software and a newly developed super portable core imaging device)*

14:30～15:00 :

- ❖ **Hongbo Zheng** (Yunnan Univ.). *Neolithic rice culture in the broad Yangtze Delta: Holocene sea level changes, land propagation and extreme climatic events.*

15:00～15:30:

- ❖ **Ryuji Tada** (Univ. Tokyo.). *Comprehensive summary of Asian Monsoon during the Holocene.*

16:00～18:00 : Small group meeting

3 月 20 日 (月)

9:00～9:30:

- ❖ **Hitoshi Hasegawa** (Nagoya Univ.). *Variability of Cretaceous climate in Asian interior based on paleo-lake drilling in Mongolia: Progress report and future perspective.*

9:30～10:00:

- ❖ **Hongbo Zheng** (Yunnan Univ.): **Joint Research Initiative**

10:00～11:50: Group Discussion

11 :50～12 :00 : 多田先生から閉会挨拶

12:00～解散

発表方法について：

パソコンは各自ご自身のパソコンをお持ちください。

部屋割について：

3月18日：

部屋1 (202)：Zheng Hongbo

部屋2 (203)：Tada Ryuji・Ikehara Ken

部屋3 (204)：Nakagawa Takeshi・Irina Tomohisa

部屋4 (205)：Wang Ke・Kubota Yoshimi

部屋5 (206)：Sagawa Takuya・Takahashi Satoshi・Matsuzaki Kenji

部屋6 (207)：Seki Arisa・Mitake Kazu

部屋7 (208 大きめな部屋)：Saito Keita, Suzuki Yoshiaki, Kurokawa Shunsuke, Tsunazawa Yuya

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