

International Workshop on  
**Renaissance Drilling on the Northwestern Pacific**  
北西太平洋ルネッサンス掘削ワークショップ

日時 **2023年3月18日(土) 8:30-18:30**

Date & Time: 8:30-18:30, Saturday 18th March 2023

会場 **新潟大学駅南キャンパス ときめいと** 新潟市中央区笹口1丁目1

Place: Toki-mate, Satellite Campus of Niigata University

※ 参加無料 : 3月15日(水)までに参加申込をお願いします

Session 1  
**Frontier Research  
on Pelagic Clay**

Session 2  
**Co-evolution of  
Pelagic Life and  
Lithology**

Session 3  
**Jurassic/  
Cretaceous  
Boundary**

主催 **新潟大学**

Organized by **Niigata University**

協賛 国立研究開発法人 **海洋研究開発機構 (JAMSTEC)**

Co-sponsored by Japan Agency for Marine-Earth Science and Technology (**JAMSTEC**)

協力 **新潟大学自然科学系附置コア・ステーション 形の科学研究センター**

Cooperated by **Institute of Science on Form, Niigata University**

申込・問合せ先 : 松岡 篤 (新潟大学理学部)

[amatsuoka@geo.sc.niigata-u.ac.jp](mailto:amatsuoka@geo.sc.niigata-u.ac.jp)

※ コロナ感染症拡大防止の関係から、事前に参加申込をお願いします。また、会場の収容人数の関係から、先着順とさせていただきます。申込期限 : 3月15日

このワークショップは JAMSTEC の「IODP・ICDP 関連ワークショップ等支援事業」の支援を得て実施します。

This workshop is supported by IODP-ICDP Workshop Support Program of JAMSTEC.

このワークショップは英語での開催となります。

## Workshop Program on Saturday, 18th March

08:30-08:50 WELCOME & INTRODUCTION

### Session 1. Frontier Research on Pelagic Clay Chairs: K. YASUKAWA & E. TANAKA

08:50-09:15 **YASUKAWA, Kazutaka** University of Tokyo

Pelagic clay revisited: Perspectives from a potential mineral resource and paleoceanographic archive

09:15-09:40 **DUNLEA, Ann** Woods Hole Oceanographic Institution (WHOI)

Distinguishing the contributions of dust and volcanic ash to pelagic clay

09:40-10:05 **SIBERT, Elizabeth** Yale University

Microfossils in Pelagic Clays: an overlooked but valuable tool for studying ecological response to global change

10:05-10:15 BREAK

10:15-10:40 **TANAKA, Erika** Kochi University

Reconstruction of long-term depositional environmental changes using pelagic clay in the area around Minamitorishima (Marcus) Island

10:40-11:05 **USUI, Yoichi** Kanazawa University

Proposed Chikyu Shallow Core Program (SCORE) around Minamitorishima Island within the framework Cenozoic paleoceanography of North Pacific

11:05-11:30 **IIJIMA, Koichi** Japan Agency for Marine-Earth Science and Technology (JAMSTEC)

Lithology and physical properties of pelagic sediment cores around Minamitorishima (Marcus) Island

### Session 2. Co-evolution of Pelagic Life and Lithology Chairs: J. KURODA & A. MATSUOKA

11:30-11:55 **KURODA, Junichiro** University of Tokyo

An overview of the sediments on the Shatsky Rise and its potential as a paleoenvironmental archive

11:55-13:30 LUNCH BREAK

13:30-13:55 **MATSUOKA, Atsushi** Niigata University

Radiolarian evolution and lithological transition from chert to pelagic clay in the Pacific

13:55-14:20 **KIMOTO, Katsunori** Japan Agency for Marine-Earth Science and Technology (JAMSTEC)

Detection of density differences in radiolarian skeletons by micro-CT measurement

14:20-14:45 **YOSHINO, Takashi** Toyo University

Micro-CT technology and morphological analysis of radiolarian skeletons

### Session 3. Jurassic/Cretaceous Boundary Chairs: A. MATSUOKA & J. KURODA

14:45-15:10 **LI, Xin** Nanjing Institute of Geology and Palaeontology

The Jurassic/Cretaceous boundary in China

15:10-15:30 BREAK

15:30-15:55 **ERBA, Elisabetta** University of Milan (UNIMI)

Calcareous nannofossil characterisation of the Jurassic-Cretaceous transition: western Pacific and global data

15:55-16:20 **ITO, Tsuyoshi** Geological Survey of Japan, AIST

Radiolarian-bearing clasts within the Jurassic-Cretaceous neritic-terrestrial strata in East Asia

16:20-16:45 **TAKETANI, Yojiro** Fukushima Museum

The Jurassic/Cretaceous boundary in the South Kitakami Terrane, northeast Japan

16:45-17:10 **NAKADA, Kentaro** Fukui Prefectural Dinosaur Museum

The ammonite biostratigraphy around the Jurassic/Cretaceous boundary in Japan

17:10-17:35 **SANO, Shin-ichi** University of Toyoma

Searching for a Jurassic/Cretaceous boundary in northern Central Japan

17:35-17:50 BREAK

17:50-18:30 GENERAL DISCUSSION