

[JIGE] 2024 Doctoral Colloquium Series with Penn State University

1. Overview

Tohoku University Global Learning Center invites graduate students at Kansai University, Chiba University and Tohoku University, to participate in a special seminar and discussion featuring Penn State researchers and graduate students from the Penn State University.

※The colloquium is part of [Japan hub for Innovative Global Education \(JIGE\)](#), an educational and human resource development initiative jointly led by Kansai University, Chiba University, and Tohoku University.

Date & Time (JST): Wednesday, October 30, 2024

1. 9 a.m.-10 a.m. Discussion Session
2. 4 p.m.-5 p.m. Special Seminar

Format: In-person and Online

Venue (In-person): Room 503, Earth Science Building (H12),
Graduate School of Science, Aobayama Campus, Tohoku University

Eligibility: Graduate students currently enrolled in Kansai University, Chiba University, Tohoku University and Penn State University

Language used: English

Admission: Free

Capacity: [In-person] 50 students each for Discussion Session and Special Seminar

※Priority goes to IGPAS students at Tohoku University.
Other than that, first come first served.

[Online] No limit on capacity for Discussion Session and Special seminar

Registration Deadline (JST): Noon, Monday, October 21, 2024

※ Registration is required via Google Form: <https://forms.gle/4U4ePsjVmgwhyujP8>

※ Those who wish to attend online will receive a Zoom link to participate prior to the events.

2. Discussion Session

Theme: The Next Millennium for Planet Earth: A Discussion

Goals: Three professors and graduate students both from the U.S. and Japan will exchange their views and discuss three specific issues facing us humans today. The discussion will not be limited to geoscience, but will welcome input from different disciplines. We hope that the discussion will provide direction on the question, “How should we face the Earth in the next century”?

Three professors will give an overview of each topic and lead the discussion.

(1) Change in Climate and Environment

Discussion will be led by [Prof. Lee Kump](#)

The John Leone Dean in the College of Earth and Mineral Sciences,
Penn State University.

(2) Change in Ecosystem

Discussion will be led by [Prof. Takeshi Kakegawa](#)
Graduate School of Sciences, Tohoku University.

(3) Facing Serious Natural Disasters

Discussion will be led by [Prof. Kevin Furlong](#)
Department of Geosciences, Penn State University.

3. Special Seminar

Title: Biogeophysical Tipping Points

Speaker: [Prof. Lee Kump](#) (Penn State University)

Prof. Lee Kump will discuss some of his work on tipping points in Earth history, the role of the biota in climate and environmental feedbacks, and what that might mean for the future.

Prof. Kump and his students, postdocs and research associates use a variety of analytical and numerical modeling approaches to investigate the nature of environmental and biotic change on all time scales.

4. Notes

- If the number of in-person registration reaches the capacity, we may close the registration for in-person participation before the deadline participation before the registration deadline.
- Transportation to the venue will not be provided

5. Inquiries

Inter-University Exchange Project Office, Tohoku University

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For details, please visit the Tohoku University Global Learning Center website.

<https://www.insc.tohoku.ac.jp/english/application/70263/>