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Ryo Satoh

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EDUCATION

- **Doctor of Philosophy in Climate Dynamics** | ***The University of Tokyo, Tokyo, JAPAN***
  - Apr. 2023 – present
  - Expected Completion: Mar. 2026
  - Supervisor: Yu Kosaka, Associate Professor, RCAST, the University of Tokyo
- **Master of Science in Climate Dynamics** | ***The University of Tokyo, Tokyo, JAPAN*, 2023**
  - Apr. 2021 – Mar. 2023
  - Thesis: "*Energetics of Atmospheric Meridional Teleconnections over the North Pacific in Winter*"
  - Supervisor: Yu Kosaka, Associate Professor, RCAST, the University of Tokyo
- **Bachelor of Science** | ***The University of Tokyo, Tokyo, JAPAN*, 2021**

PUBLICATIONS

- **Satoh, R.**, Y. Kosaka, H. Nakamura, A. Miyamoto, and S. Okajima, 2025: Energetics of Atmospheric Meridional Teleconnection Patterns over the North Pacific in Winter. *J. Climate*, **38**, 611–626, https://doi.org/10.1175/JCLI-D-24-0077.1.

PUBLICATIONS IN PROGRESS

- **Satoh, R.**, Y. Kosaka: Distinct Energetics of Atmospheric Internally- and Externally-Driven Meridional Teleconnection Patterns over the North Pacific in Winter in Large Ensemble AGCM simulations. [Near Submission]
- **Satoh, R.**, Y. Kosaka: ENSO-Induced Changes in Atmospheric Internally-Driven Meridional Teleconnection Patterns over the Wintertime North Pacific in Light of Energetics. [Near Submission]
- **Satoh, R.**, Y. Kosaka: Changes in Wintertime North Pacific Meridional Teleconnection Patterns due to Global Warming: An Energetics Perspective. [Near Submission]
- Ma. T., Y. Kosaka, W. Chen, H. Nakamura, Z. Dong, Q. Cai, S. Chen, and **R. Satoh**: Distinct Evolutions of Cold-Wet and Cold-Dry Events in East Asia during Winter. *Geophys. Res. Lett.* [In Review]

SELECTED CONFERENCE PRESENTATIONS

- Satoh, R. and Yu Kosaka, The energetics of meridional teleconnection patterns over the North Pacific in winter: The internally-driven atmospheric variability and their modulations under different SST

conditions, Busan IAMAS-IACS-IAPSO Joint Assembly 2025 (Busan, South Korea, 2025.07) Oral.

- Satoh, R. and Yu Kosaka, Changes in atmospheric meridional teleconnection patterns over the wintertime North Pacific under different sea surface conditions, AGU24 Annual Meeting (Washington, D.C., USA, 2024.12) poster.
- Satoh, R. and Y. Kosaka, Energetics of atmospheric meridional teleconnections over the North Pacific in winter, The IUGG 2023 General Assembly (Berlin, Germany, Jul. 2023) Oral.

HONORS AND AWARDS

- JSPS Research Fellow DC1, 2023–2026
- Outstanding Student Presentation Award, JpGU2023 Meeting, 2023
- Matsuno Award, Meteorological Society of Japan 2022 Fall Meeting, 2022
  - This award honors graduate students for outstanding presentation on their own highly original and creative research.

FUNDED PROPOSALS

- Grant-in-Aid for JSPS Research Fellow (23KJ0744), 2023–2026

ACADEMIC SERVICE AND OUTREACH

- Organizer, Summer Special Seminar of the Meteorological Society of Japan (Sep. 8–10, 2023)
- Member, Research Group Exhibition Team, Komaba Research Campus Open House, 2021–2025

LANGUAGE SKILLS

- CEFR Level B2 (**unofficially** certified by TOEFL ITP in Feb. 2024)
  - I can understand the main content of complex texts on both abstract and concrete topics, including technical discussions in my field of expertise.
  - I am fluent and natural enough to interact normally with native speakers.
  - I can produce clear and detailed sentences on a wide range of topics.

TECHNICAL SKILLS

- Python, Fortran, Bash