

# Takaya Uchida

## Office Address

Lamont-Doherty Earth Observatory  
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## EDUCATION

*Doctor of Philosophy*, Physical Oceanography  
Columbia University in the City of New York, New York, NY May 2019  
GPA 3.94

*Bachelor of Engineering*, Environmental Engineering  
The University of Tokyo, Tokyo, Japan March 2014  
THESIS - Analysis of Island-trapped Waves off the Izu-Islands  
GPA 3.71

## PUBLICATIONS and ORAL PRESENTATIONS

- Uchida, T., R. Abernathey and S. Smith. Mixed-layer instability as a source of surface kinetic energy in the seasonal cycle in a global climate model. *AMS 21st Conference on Atmospheric and Oceanic Fluid Dynamics*. June 2017. Portland, USA
- Uchida, T., R. Abernathey and S. Smith. Seasonality in Ocean Turbulence in a High Resolution Global Climate Model. *Ocean Modelling*. (Manuscript submitted for publication)
- Uchida, T. and R. Abernathey. Seasonality in Ocean Mesoscale Turbulence in a High-Resolution Global Climate Model. *Ocean Sciences Meeting*. February 2016. New Orleans, USA.
- Uchida, T., T. Waseda, K. Kiyomatsu and M. Yasumasa. Analysis on Island-trapped Waves off the Izu Islands. *Spring Meeting of the Oceanographic Society of Japan*. June 2014. Tokyo, Japan
- Kimura N., Y. Nakano, H. Yamaguchi, T. Uchida, E. Hirokawa, R. Funabashi, Y. Nakahara and T. Wada. Forecast of Summer Sea-ice Extent in the Arctic Based on Winter Ice Redistribution. *International Symposium on Sea Ice in a Changing Environment*. March 2014. Hobart, Australia.

## HONORS and AWARDS

- Received a scholarship from the Heiwa Nakajima Foundation, a private foundation in Japan, from September 2014 – August 2016.
- Named as the Deans Fellow, the highest honor in the Department of Earth and Environmental Sciences, Columbia University in the City of New York.
- Honored the Deans Award of the Department of Engineering upon graduation from the University of Tokyo. The Deans Award is given to undergraduate students who have achieved outstanding accomplishments in academic courses and undergraduate thesis.