

**Yuan-Jen Lin**

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**EDUCATION**

2016 – 2022	Ph.D. in Atmospheric Sciences	National Taiwan University (Advisor: Yen-Ting Hwang)
2012 – 2016	B.S. in Atmospheric Sciences	National Taiwan University

**RESEARCH EXPERIENCE / EMPLOYMENT**

2022 –	Postdoctoral Research Scientist	Center for Climate Systems Research, Columbia University / NASA Goddard Institute for Space Studies (GISS)
2021 – 2022	Visiting Scholar	Atmospheric & Environmental Sciences, University at Albany (SUNY) (Host Professor: Brian E. J. Rose)
2016 – 2021	Research Assistant	Atmospheric Sciences, National Taiwan University (Supervisor: Yen-Ting Hwang)

**PEER-REVIEWED PUBLICATIONS**

*Accepted*

**Yuan-Jen Lin**, Brian E. J. Rose, and Yen-Ting Hwang. Mean state AMOC affects AMOC weakening through subsurface warming in the Labrador Sea. (accepted; J. Climate)

2021

**Yuan-Jen Lin**, Yen-Ting Hwang, Jian Lu, Fukai Liu, and Brian E. J. Rose (2021). The Dominant Contribution of Southern Ocean Heat Uptake to Time-evolving Radiative Feedback in CESM. *Geophysical Research Letters*. <https://doi.org/10.1029/2021GL093302>

2019

**Yuan-Jen Lin**, Yen-Ting Hwang, Paulo Ceppi, and Jonathan M. Gregory (2019). Uncertainty in the Evolution of Climate Feedback Traced to the Strength of the Atlantic Meridional Overturning Circulation. *Geophysical Research Letters*, 46, 12331– 12339.

<https://doi.org/10.1029/2019GL083084>

## HONORS AND AWARDS

2022	Chou Chia Publication Award* (Lin et al., 2021; doi: 10.1029/2021GL093302)
2021	Chou Chia Publication Award* (Lin et al., 2019; doi: 10.1029/2019GL083084)
2019	Best presentation, Atmospheric Sciences Annual Meeting, Taoyuan, Taiwan.
2017	Best presentation, Atmospheric Sciences Annual Meeting, Miaoli, Taiwan.

*\*Chou Chia Publication Award is an annual award for climate related publication in Taiwan, in memory of the climate scientist Chou Chia.*

## GRANT FUNDING

2021-2022 Graduate Student Study Abroad Program, Ministry of Science and Technology (MOST), Taiwan.

## TEACHING EXPERIENCE

2016 fall, 2018 fall, 2020 spring, 2021 spring	Climate Science, TA
2017 spring, 2018 spring	An Introductory Survey to Atmospheric Science Research, TA

## LEADERSHIP AND SERVICE

### Peer Review:

- Geophysical Research Letters (2), Journal of Climate (2), Nature Geoscience (1).

### Seminar series, conferences, and workshops:

- Executive Committee Member (2021 Fall - 2022 Spring), Climate Seminar, University at Albany (SUNY).
- Volunteer Staff (2021), CFMIP Annual Meeting on Clouds, Precipitation, Circulation, and Climate Sensitivity.

## TALKS / SEMINARS

2022/04/28	<b>SEAS Colloquium in Climate Science (SCiCS), Columbia University</b> Understanding changing ocean circulation and its role in modifying climate sensitivity.
2022/02/22	<b>Lightning Talk at the 15<sup>th</sup> ECS symposium</b> The Dominant Contribution of Southern Ocean Heat Uptake to Time-evolving

## Radiative Feedback in CESM.

2021/10/01	<b>University at Albany (SUNY) Climate Seminar</b> The role of ocean in the time-evolving radiative feedbacks.
2020/11/25	<b>Scripps Institution of Oceanography CASPO Seminar</b> Understanding the role of ocean in modifying time-evolving radiative feedback.

## SELECTED CONFERENCE PRESENTATIONS

\* Virtual Attendance

## [Oral presentation]

2020/12 AGU Fall Meeting	<b>Yuan-Jen Lin</b> , Brian EJ Rose, and Yen-Ting Hwang. Mean state AMOC affects AMOC weakening through subsurface warming in the Labrador Sea.
2020/12 AGU Fall Meeting *	<b>Yuan-Jen Lin</b> , Yen-Ting Hwang, Jian Lu, Fukai Liu, Brian EJ Rose. Attributing Radiative Feedback Evolution to Regional Ocean Heat Uptake.
2019/05 East Asian Workshop on Climate Dynamics, ICCP, Busan, Korea.	<b>Yuan-Jen Lin</b> , Yen-Ting Hwang, Paulo Ceppi, and Jonathan M Gregory. Uncertainty in the Evolution of Climate Feedback Traced to the Strength of the Atlantic Meridional Overturning.
2018/10 CFMIP Annual Meeting on Clouds, Precipitation, Circulation, and Climate Sensitivity, NCAR, CO, USA.	<b>Yuan-Jen Lin</b> , Yen-Ting Hwang, Paulo Ceppi, and Jonathan M Gregory. Uncertainty in the Evolution of Climate Feedback Traced to the Strength of the Atlantic Meridional Overturning.

## [Poster presentation]

2022/05 The Pattern Effect: Coupling of SST Patterns, Radiative Feedbacks, and Climate Sensitivity Workshop, Boulder, CO and Virtual	<b>Yuan-Jen Lin</b> , Yen-Ting Hwang, Jian Lu, Fukai Liu, Brian EJ Rose, Paulo Ceppi, and Jonathan M Gregory. The role of ocean in modifying SST pattern formation and time-evolving radiative feedback.
2022/04 2022 US AMOC Science Team Meeting, Woods Hole, MA and Virtual *	<b>Yuan-Jen Lin</b> , Brian EJ Rose, and Yen-Ting Hwang. Mean state AMOC affects AMOC weakening through subsurface warming in the Labrador Sea.
2021/09 CFMIP Annual Meeting on Clouds, Precipitation, Circulation, and Climate Sensitivity *	<b>Yuan-Jen Lin</b> , Yen-Ting Hwang, Jian Lu, Fukai Liu, Brian EJ Rose, Paulo Ceppi, and Jonathan M Gregory. The role of ocean in the time-evolving radiative feedbacks.
2019/05 2019 Conference on Pan-Pacific Anthropocene, Taipei, Taiwan.	<b>Yuan-Jen Lin</b> , Yen-Ting Hwang, Paulo Ceppi, and Jonathan M Gregory. Uncertainty in the Evolution of Climate Feedback Traced to the Strength of the Atlantic Meridional Overturning.

<b>2019/02</b> <i>Atmospheric Sciences Annual Meeting, Taoyuan, Taiwan.</i>	<b>Yuan-Jen Lin</b> , Yen-Ting Hwang, Paulo Ceppi, and Jonathan M Gregory. Uncertainty in the Evolution of Climate Feedback Traced to the Strength of the Atlantic Meridional Overturning.
<b>2017/02</b> <i>Atmospheric Sciences Annual Meeting, Miaoli, Taiwan.</i>	<b>Yuan-Jen Lin</b> and Yen-Ting Hwang. The Evolutionary Oceanic Responses to Greenhouse Gas Forcing and their Influence on Global and Regional Climate Change in CMIP5 GCMs.

## LANGUAGES

**English:** Proficient

**Chinese Mandarin:** Native

**Spanish:** Basic

## SKILL MATRIX

### Programming Languages:

- **Proficient:** Python, MATLAB
- **Intermediate:** Fortran, NCL

**Version Control:** GIT

**Computing:** Community Earth System Model (CESM), portable batch system (PBS), Slurm Workload Manager