Curriculum Vitae

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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

In prep / submitted / in review

Yuan-Jen Lin, Gregory V. Cesana, Cristian Proistosescu, Mark D. Zelinka, and Kyle C. Armour. The relative importance of forced and unforced SST patterns in driving the time variations of low cloud feedback (in prep).

2023

Yuan-Jen Lin, Brian E. J. Rose, and Yen-Ting Hwang. Mean state AMOC affects AMOC weakening through subsurface warming in the Labrador Sea. Journal of Climate, 2023. https://doi.org/10.1175/JCLI-D-22-0464.1

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 (3), Journal of Climate (2), Nature Geoscience (1), Journal of Advances in Modeling Earth Systems (JAMES; 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	**SEAS Colloquium in Climate Science (SCiCS), Columbia University** Understanding changing ocean circulation and its role in modifying climate sensitivity.
2022/02/22	**Lightning Talk at the 15th ECS symposium** The Dominant Contribution of Southern Ocean Heat Uptake to Time-evolving Radiative Feedback in CESM.
2021/10/01	**University at Albany (SUNY) Climate Seminar** The role of ocean in the time-evolving radiative feedbacks.
2020/11/25	**Scripps Institution of Oceanography CASPO Seminar** Understanding the role of ocean in modifying time-evolving radiative feedback.

SELECTED CONFERENCE PRESENTATIONS

***** *Virtual Attendance*

[Oral presentation]

2022/12 *AGU Fall Meeting*	**Yuan-Jen Lin**, 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* *****	**Yuan-Jen Lin**, 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.*	**Yuan-Jen Lin**, 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.*	**Yuan-Jen Lin**, 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]

2023/07 *The 2023 Joint CFMIP-GASS Meeting on Cloud, Precipitation, Circulation and Climate Sensitivity, Paris, France*	**Yuan-Jen Lin**, Gregory V. Cesana, Cristian Proistosescu, Mark D. Zelinka, and Kyle C. Armour. The relative importance of forced and unforced SST patterns in driving the time variations of low cloud feedback
2022/05 *The Pattern Effect: Coupling of SST Patterns, Radiative Feedbacks, and Climate Sensitivity*	**Yuan-Jen Lin**, 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

Workshop, Boulder, CO and Virtual	feedback.
2022/04 *2022 US AMOC Science Team Meeting, Woods Hole, MA and Virtual* *	**Yuan-Jen Lin**, 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* *	**Yuan-Jen Lin**, 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.*	**Yuan-Jen Lin**, 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.
2019/02 *Atmospheric Sciences Annual Meeting, Taoyuan, Taiwan.*	**Yuan-Jen Lin**, 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.
2017/02 *Atmospheric Sciences Annual Meeting, Miaoli, Taiwan.*	**Yuan-Jen Lin** 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), NASA GISS ModelE, portable batch system (PBS), Slurm Workload Manager