

Curriculum Vitae - I-I Lin (林依依)

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Dept. of Atmospheric Sciences, National Taiwan University, Taipei, Taiwan

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Website: <http://homepage.ntu.edu.tw/~iilin/>

Google scholar: <http://scholar.google.com/citations?user=mQ06OBEAAAAJ&hl=en&oi=ao>

ORCID: <https://orcid.org/0000-0002-8364-8106>

Research Gate: https://www.researchgate.net/profile/I_I_Lin

ResearcherID: <http://www.researcherid.com/rid/J-4695-2013>

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=7202221033>

Web of Science: <https://www.webofscience.com/wos/author/record/J-4695-2013>

Education:

- B.Sc. in Atmospheric Science, National Taiwan University, Taiwan (1989)
- Ph.D. in Remote Sensing, University of Cambridge, England (1995)

Experience:

- Aug. 2023-Present: University Chair Professor, National Taiwan University, Taipei, Taiwan. (國立台灣大學講座教授)
- 2017-Present: Lifetime Distinguished Professor, Dept. of Atmospheric Sciences, National Taiwan University, Taipei, Taiwan. (國立台灣大學大氣科學系終身特聘教授)
- 2013-Present: Distinguished Professor, Dept. of Atmospheric Sciences, National Taiwan University, Taipei, Taiwan. (國立台灣大學大氣科學系特聘教授)
- 2012-2018: Adjoint Scientist, Research Center for Environmental Changes (RCEC), Academia Sinica, Taipei, Taiwan. (中央研究院環境變遷研究中心合聘研究員)
- 2014-2017: Chair, Dept. of Atmospheric Sciences, National Taiwan University, Taipei, Taiwan. (國立台灣大學大氣科學系系主任)
- 2010-Present: Professor, Dept. of Atmospheric Sciences, National Taiwan University, Taipei, Taiwan. (國立台灣大學大氣科學系教授)
- Feb.-Jul., 2011: Director of International Affairs Center (INTERACT), College of Science, National Taiwan University, Taipei, Taiwan. (國立台灣大學理學院國際事務中心主任)
- 2006-2010: Associate Professor, Dept. of Atmospheric Sciences, National Taiwan University, Taipei, Taiwan. (國立台灣大學大氣科學系副教授)
- 2004-2006: Assistant Professor, Dept. of Atmospheric Sciences, National Taiwan University, Taipei, Taiwan. (國立台灣大學大氣科學系助理教授)

- 2000-2004: Assistant Research Scientist, Head of Remote Sensing Lab and Project Principal Investigate, National Center for Ocean Research, National Taiwan University, Taipei, Taiwan. (國家海洋科學研究中心助理研究員、遙測研究室及計畫主持人)
- 1995-1999: Research Scientist, Centre for Remote Imaging, Sensing & Processing (CRISP), National University of Singapore, Singapore. (新加坡大學遙感與影像處理中心科學研究員)
- 1992: Visiting Student, NASA Jet Propulsion Laboratory (JPL), USA. (美國太空總署噴射推進實驗室訪問學生)

Research Interests:

- Tropical Cyclone-Ocean Interaction: Weather, Climate, and Global Warming Scale
- Synergy of Multi-Advanced Remote Sensing for Air-Sea Interaction Research
 - Typhoon-Ocean Physical and Bio-geochemical Interaction
 - Aerosol-ocean Bio-geochemical Interaction
- Synergy of Synthetic Aperture Radar, QuikSCAT and Ocean Colour
- Ocean Colour and Hyperspectral Studies for Algal Bloom Monitoring
- Sea Surface Wind Scatterometry
- TRMM Tropical Rainfall Measuring Mission
- Oceanic Features from Synthetic Aperture Radar
- Cloud-Penetrating Microwave Sea Surface Temperature (SST) and infrared SST
- Classification of Remote Sensing Images by Image Texture.

Professional Membership:

- IEEE Geoscience and Remote Sensing Society (GARSS): student and regular member, since 1991.
- American Geophysical Union (AGU): student and regular member, since 1992.
- American Meteorological Society (AMS): member, since 2004.
- Geophysical Union of the Republic of China, Taiwan (中華民國地球科學學會): life member, since 2000 (永久會員).
- Chinese Society of Photogrammetry & Remote Sensing, Taiwan (中華民國航空測量及遙感探測學會): life member, since 2000 (永久會員).
- Meteorological Society of the Republic of China, Taiwan (中華民國氣象學會): life member, since 2004 (永久會員).
- Oceanographic Society of the Republic of China, Taiwan (中華民國海洋學會): life member, since 2012 (永久會員).
- Japan Geoscience Union (JpGU): member, since 2011.
- Asia Oceania Geosciences Society (AOGS): member.
- American Meteorological Society (AMS): Fellow, since 2024.

Awards, Highlights, Synergistic Activities, and Selected News:

- Mar. 2024: Featured, ‘Women’s History Month’, American Meteorological Society Social Media. [\[Facebook\]](#) [\[X \(Twitter\)\]](#)
- 2024: Fellow of American Meteorological Society (AMS) (美國氣象學會會士) [\[Link\]](#) [\[YouTube\]](#)
- 2023: World’s Top 2% Scientists 2023 [\[Link\]](#)
- 2023: UN/GOOS (United Nations/Global Ocean Observing System)-Tropical Cyclones Ocean Observations and Forecasts Exemplar Steering Committee (聯合國全球海洋觀測系統-熱帶氣旋海洋觀測與預報示範指導委員會)
- 2023: Principal Investigator, Science Vanguard Research Program , National Science and Technology Council (NSTC) (國科會卓越領航研究計畫主持人)
- Oct. 2023: US National Academies of Sciences, Engineering, and Medicine Panel, 101st Meeting of the Ocean Studies Board (美國國家科學院 Marine Heat Wave 專家小組)
- Aug. 2023-Present: University Chair Professor, National Taiwan University, Taipei, Taiwan. (國立台灣大學講座教授)
- 2023: 臺北市私立復興實驗高級中學 78 週年校慶傑出校友
- 2023: Featured in “Female Power of Taiwan” on the International Women's Day (8 March 2023), Ministry of Foreign Affairs, Taiwan (受邀拍攝外交部「國際婦女節形象影片」) [\[Link\]](#) [\[Link EN\]](#) [\[YouTube\]](#)
- 2023: The AMS Editor's Award - Bulletin of the American Meteorological Society. The award citation reads "For insightful and detailed comments that have been instrumental in reaching publication decisions on challenging manuscripts". [\[Link\]](#)
- 2022: World’s Top 2% Scientists 2022 [\[Link\]](#) [\[Link TW\]](#)
- 2022: Invited author, World Meteorological Organization (WMO) Tropical Cyclones and Climate Change in the IWTC-10 report (受邀參加「世界氣象組織(World Meteorological Organization, WMO)」四年一度國際熱帶氣旋科學報告之專家團隊，參與撰寫專書(IWTC-10 report) 之 Tropical Cyclones and Climate Change 章節)
- 2022: UN/GOOS (United Nations/Global Ocean Observing System)-Tropical Cyclones Ocean Observations and Forecasts Exemplar Steering Committee (聯合國全球海洋觀測系統-熱帶氣旋海洋觀測與預報示範指導委員會)
- March 2022: The Ministry of Education’s 25th Annual National Chair Professorship Award (教育部第 25 屆國家講座主持人獎) [\[專刊\]](#) [\[簡刊\]](#) [\[Facebook\]](#) [\[頒獎典禮\]](#) [\[頒獎典禮 開幕影片\]](#) [\[中央通訊社報導\]](#) [\[聯合新聞網報導\]](#) [\[中時新聞網報導\]](#) [\[蘋果新聞網報導\]](#) [\[Rti 中央廣播電台報導\]](#) [\[國立教育廣播電台報導 1\]](#) [\[國立教育廣播電台報導 2\]](#)
- 2021: World’s Top 2% Scientists 2021 [\[Link\]](#) [\[Link TW\]](#)
- June 2021: Invited Formal Seminar, Geophysical Fluid Dynamics Laboratory/National Oceanic and Atmospheric Administration (GFDL/NOAA), Princeton USA.
- March 2021: The 14th Taiwan Outstanding Women in Science Award, held jointly by L’Oréal

Taiwan and the Wu Chien-shiung Education Foundation (第十四屆台灣傑出女科學家獎-台灣萊雅與吳健雄學術基金會共同主辦) [[Web_Introduction](#)] [[Web_News](#)] [[YouTube](#)]

- 2020: Invited Chapter, American Geophysical Union 100th anniversary celebration monograph (ENSO in a Changing Climate) ENSO and Tropical Cyclones Chapter. This monograph is also one of the 4 Books from AGU for the COP26 Climate Summit Show Case in Glasgow, UK in 2021. (受邀主導撰寫 AGU100 週年紀念專書 (ENSO in a Changing Climate) 之 ENSO and Tropical Cyclones 專章，為台灣唯一受邀之 Invited chapter。此書為 One of the 4 Books from AGU Collected as special COP26 (第 26 屆聯合國氣候變化大會，2021 年 10 月 31 日至 11 月 12 日，蘇格蘭格拉斯哥舉行) Virtual Book Showcase) [[COP26 Virtual Book Showcase](#)]
- 2019: 受邀與國際專家團隊共同撰寫 'Frontiers in Marine Science' 未來熱、溫帶氣旋之海洋觀測 Recommendation，台灣唯一受邀之學者
- 2018 to 2021: Principal Investigator, Project for Ministry of Science and Technology (MOST) research fellow (科技部特約研究計畫主持人)
- 2018: Lin et al. *GRL* 2013, Lin et al. *MWR* 2005, Lin et al. *GRL* 2003, and Jin et al. *Nature* 2014 cited in Kerry Emanuel, 100 Years of Progress in Tropical Cyclone Research, *Meteorological Monographs*, 59, 15.1-15.68, doi: 10.1175/amsmonographs-d-18-0016.1., 2018 - Celebrating the American Meteorological Society (AMS) Centennial
- 2018: Invited author, World Meteorological Organization (WMO) Intensity Change: External Influences, IWTC-9 Report (受邀參加「世界氣象組織(World Meteorological Organization, WMO)」四年一度國際熱帶氣旋科學報告之專家團隊，參與撰寫專書(IWTC-9 report) 之 Intensity Change: External Influences 章節)
- September 2018: Distinguished Research Professor, National Taiwan University. (台大學術研究成果傑出教師)
- March 2018: New Fellow of Meteorological Society, Taiwan (中華民國氣象學會會士)
- March 2018: 指導博士班研究生黃筱晴 Hsiao-Ching Huang 榮獲 106 年度中華民國氣象學會「周佳博士氣候論文獎-研究新秀獎」，論文名稱：Air-sea fluxes for Hurricane Patricia (2015): Comparison with supertyphoon Haiyan (2013) and under different ENSO conditions。
- January 2018: Distinguished Fudan Scholar (上海復旦大學訪問學者)
- 2017-Present: 國立台灣大學大氣科學系終身特聘教授
- December 2017: The 61st Academic Award, Ministry of Education, Taiwan (教育部第 61 屆學術獎)
- August 2017: Journal of Geophysical Research: Oceans paper was selected as cover image (於 Journal of Geophysical Research: Oceans 發表之論文受選為該期封面圖片)
- July 2017: Lin et al. *GRL* 2014, Huang et al. *JGR* 2017 and Lin et al. *BAMS* 2017 papers were highlighted by Earth & Space Science News
- 2016: 指導博士班學生黃筱晴 Hurricane Patricia 之研究，參與 2016 年於北京舉行之重要國際 AOGS 會議(Asia Oceania Geosciences Society 13th Annual Meeting, 48 個國家 3000 餘人與會，海報競賽 1023 人)，於海報競賽 1000 多名競爭者中脫穎而出，獲得「最佳學生

海報獎」，為台灣眾多參賽者中唯一獲獎者，亦為該會議 27 位獲獎人中唯一的台灣代表。

- 2015: Outstanding Research Award, Ministry of Science and Technology, Taiwan (103 年度科技部傑出研究獎).
- October 2015: Minor planet (31336) Chenyuhsin is named for Chen Yu-Hsin - Chen Yu-Hsin was awarded best of category and first place in the 2014 Intel International Science and Engineering Fair for her earth science project, and also received the European Union Contest for Young Scientists Award (林依依老師指導之北一女中數理資優班學生陳郁欣因參加英特爾國際科學展獲獎，MIT Lincoln Lab. 特將第 31336 小行星以她的名字命名為“Chenyuhsin”。)
- August 2015: Nature Scientific Reports paper was highlighted in NTU Newsletter (Z. Zheng, I. Lin, B. Wang, H. Huang, and C. Chen) (發表於 Nature Scientific Reports 之論文刊登於台大校訊 1230 期及報章雜誌)
- May 2015: Nature communications paper was highlighted in NTU newsletter. (I. Lin and J. Chan) (發表於 Nature communications 之論文刊登於台大校訊 1221 期)
- May 2015: Nature communications paper was highlighted in NTU newsletter. (P. Huang, I. Lin, C. Chou, and R. Huang) (發表於 Nature communications 之論文刊登於台大校訊 1221 期及報章雜誌)
- December 2014: Nature paper on the Eastern Pacific Tropical Cyclones and ENSO was highlighted by NTU newsletter. (F. Jin, J. Boucharel, and I. Lin). (發表於 Nature 之論文刊登於台大校園焦點 409 期及國內外報章雜誌)
- August 2014: Featured and interviewed in the special documentary ‘Mega Disaster’ of Japan’s National TV, NHK. (林依依教授研究團隊接受日本 NHK 電視節目採訪)
- July 2014: US NOAA (National Oceanic and Atmospheric Association)’s spotlight for authors of the State of Climate Report 2013 (Bulletin of American Meteorological Society). (BAMS 期刊 2013 年度 State of Climate Report 由全球 57 個國家共 425 科學家共同撰寫，NOAA 選出 8 位學者作特別報導，林依依教授為亞洲唯一代表)
- 2009-Present: Since 2009, the applicant has been the only scientist in Taiwan invited to write an important annual ‘State of Climate’ special report of the Bulletin of American Meteorological Society. (林依依教授自 2009 年受邀加入 BAMS 期刊每年度重要的 ‘State of Climate’ 執筆「熱帶地區—熱帶氣旋熱潛能 (4. The Tropics—e. Tropical cyclone heat potential)」專欄，為台灣唯一參與之學者)
- May 2014: Long-term supervision (2012 onwards) of a high school student (Yu-Hsin Chen) on ocean subsurface warming and typhoon intensity. Top Prize of the ‘Earth and Planetary Science’ discipline was won in the International Intel Science Competition (> 60 countries) 2014, in LA, USA. This was the best result for Taiwan in the past 3 decades for the ‘Earth and Planetary Science’ Discipline. (指導北一女中數理資優班學生陳郁欣參加英特爾國際科學展(Intel ISEF)榮獲「Intel ISEF 2014 Grand Award Winners」:歐洲青年科學家聯合競賽獎(European Union Contest for Young Scientists)、大會地球與行星科學科類科首獎、大會地球與行星科

學科一等獎及美國氣象學會特別獎三等獎，共四項大獎。其中 Intel ISEF 2014 Grand Award Winners 為近年台灣地球科學類別競賽之最高獎項。)

- Dec. 2013: Lin et al. 2013 paper on Ocean Coupling Potential Intensity Index highlighted by Canada's Advances in Engineering. (Lin et al. 2013 發表於 Geophysical Research Letters 之論文被 Canada's Advances in Engineering 特別報導)
- Nov. 2013: Pun, Lin et al. 2013 paper highlighted by Science and The Christian Science Monitor. (Pun, Lin et al. 2013 發表於 Geophysical Research Letters 之論文被 Science、csmonitor 特別報導)
- Aug. 2013: Pun, Lin et al. 2013 paper on recent ocean subsurface warming in the western Pacific was highlighted by the international satellite altimetry centre, AVISO (under French Space Agency, CNES). A figure of the paper was chosen as the 'Image of the Month' of Aug. 2013 and highlighted in both English and French. (Pun, Lin et al. 2013 發表於 Geophysical Research Letters 之論文被 AVISO 以英、法文特別報導，其中論文中圖片選為 'Image of the Month' of Aug. 2013)
- 2013: 國立台灣大學 102 學年度特聘教授
- 2011: One of the Three Major Research Achievements of the Division of Mathematics and Physical Sciences, Academia Sinica, Taiwan (中央研究院數理組三項重要研究成果之一) [Volcano aerosol-ocean biogeochemical interaction, Lin et al. GBC 2011].
- 2011: Faculty Exempted from Review, National Taiwan University (台大免評鑑資格教師).
- 2011: 99 年度台大績優教研人員
- 2011: Outstanding Research Award, National Science Council, Taiwan (99 年度國科會傑出研究獎).
- 2009: Twice (February and March) featured by NASA with press release for research on Indian Ocean Killer Cyclone Nargis (2008), also reported by the USA Today, Science Daily, and the National Taiwan University News. (發表於 Geophysical Research Letters 之 Nargis 熱帶氣旋論文受 NASA 兩度報導，同時受國內外報章雜誌如 USA Today、Science Daily、台大焦點報導)
- 2009: Outstanding Teaching Award, National Taiwan University (台大教學傑出教師).
- 2008: Reported by the International Scientific Committee on Ocean Research (SCOR)'s Surface Ocean Lower Atmosphere Study (SOLAS) newsletter. (發表於 Deep Sea Research Part II: Topical Studies in Oceanography 之論文受 SCOR、SOLAS 報導)
- 2007: Ten outstanding Young Women Award of the Republic of China (中華民國第十九屆十大傑出女青年).
- 2007: Teaching Award of the College of Science, National Taiwan University (理學院教學優良教師).
- 2005: Ta-You Wu Memorial Award for Young Scientists, National Science Council, Taiwan (行政院國家科學委員會吳大猷先生紀念獎).
- 2005: Academia Sinica's Research Publication Award for Young Scientists (中央研究院年輕學

者研究著作獎).

- 2004: American Geophysical Union (AGU) START Young Scientist Award.
- 2004: Reported in NASA's 10-years anniversary of earth observation highlights, 2004.
- 2003: Citation in Nature: News and Views in Brief, 7 August, 2003, vol. 425, no. 6949, pp. 630, 'Oceanography: Bloom in Cyclone' (original paper see Lin I-I et al., 2003c, Geophysical Research Letters).
- 2003: Citation in Nature: News and Views in Brief, 13 March, 2003, vol. 422, no. 6928, pp. 132, 'Atmospheric Science: Quick, quick, slow' (original paper see Lin I-I et al., 2003a, Geophysical Research Letters).
- Press Conference 'Latest Ocean Winds Research Creates a Stir – Typhoons a boon for Ocean life' on 6 December 2002 during AGU Fall Meeting, San Francisco, USA. Related News were reported by the Associate Press (7 Dec, 2002), CNN (8 Dec. 2002), NASA/Jet Propulsion Lab News Release (6 Dec. 2002), United Daily (聯合報), Taiwan (9 Dec. 2002), and National Geographic (國家地理雜誌), Taiwan.
- Press Conference 'Oceanography breakthrough a world first for Taiwan research', 26 September 2001 during 2001 Joint Geosciences Assembly (JGA), Taipei, Taiwan. Related News were reported by the Chinapost (16 Oct. 2001), Freedom Daily (自由日報) (27 Sep., 2001), China Times (中國時報) (26 Sep., 2001).
- 1992: Award for best presentation of non-native English speaker at the IGS (International Glaciological Society) Symposium on Remote Sensing of Ice and Snow, Boulder, Colorado, U.S.A.

Courses:

- Female Scientists: Research, Life, Struggle, Reflection, and Outlook
- Tropical Cyclone-Ocean Interaction II
- Tropical Cyclone-Ocean Interaction I
- Atmospheric Radiation
- Atmospheric Remote Sensing (bilingual course)
- Introduction to Earth System
- Advanced Remote Sensing and Data Analysis
- Independent Research on Air-sea Physical-Biogeochemical Interaction
- Independent Research on Satellite Remote Sensing
- Exploring Taiwan (English course)
- Special Topic for Freshman (新生專題, English course)

Professional services:

- Reviewer: Science

- Reviewer: Nature
- Reviewer: Nature Climate Change
- Reviewer: Nature Geoscience
- Reviewer: Nature Communications
- Reviewer: Bulletin of the American Meteorological Society (BAMS)
- Reviewer: Journal of Climate
- Reviewer: Journal of Geophysical Research –Atmosphere (JGR-Atmosphere)
- Reviewer: Journal of Geophysical Research – Oceans (JGR-Oceans)
- Reviewer: Journal of Geophysical Research – Biogeosciences (JGR-Biogeosciences)
- Reviewer: Geophysical Research Letters (GRL)
- Reviewer: IEEE Transactions on Geoscience and Remote Sensing (IEEE TGARS)
- Reviewer: Journal of Physical Oceanography (JPO)
- Reviewer: Limnology and Oceanography (L & O)
- Reviewer: Monthly Weather Review (MWR)
- Reviewer: Ocean Modelling
- Reviewer: Ocean Science (OS)
- Reviewer: Progress in Oceanography (PO)
- Reviewer: Dynamics of Atmospheres and Oceans
- Reviewer: Biogeosciences (BG)
- Reviewer: Journal of Marine Science and Technology (JMST)
- Reviewer: Journal of the Meteorological Society of Japan (JMSJ)
- Reviewer: Journal of Oceanography (JO)
- Reviewer: Climate dynamics
- Reviewer: International Journal of Climatology
- Reviewer: Quarterly Journal of the Royal Meteorological Society
- Reviewer: Deep-Sea Research Part I
- Reviewer: Boundary-Layer Meteorology
- Reviewer: Nature Scientific Reports
- Reviewer: Terrestrial, Atmosphere, and Oceanic Sciences (TAO)
- Lamont-Doherty Earth Observatory, Columbia Univ., USA
- Univ. of New South Wales (UNSW) Sydney, Australia
- External Reviewer: Academia Sinica

International Collaboration

USA

- Colorado State University – Phil Klotzbach
- Columbia University – Suzana Camargo
- George Mason University – Long S. Chiu
- Lawrence Berkeley Lab – Christina Patricola
- Louisiana State University – Nan D. Walker
- Massachusetts Institute of Technology – Kerry Emanuel
- NASA/Goddard Space Flight Center (GSFC) – D. Allen Chu
Chung-Lin Shie
Scott A. Braun
- NASA/Jet Propulsion Laboratory (JPL) – W. Timothy Liu
- Naval Postgraduate School – P. Harr
- National Oceanic and Atmospheric Administration (NOAA) – Mark DeMariaz
Cristina Forbes
Gustavo Goni
John Knaff
- Naval Research Laboratory (NRL) – Peter Black
Dong-San Ko
Melinda S. Peng
- Remote Sensing Systems – Chelle L. Gentemann
- Scripps Institution of Oceanography – Peter Niiler
- Texas A and M University – Ping Chang
- UC Berkeley – John C. H. Chiang
- UC San Diego – L. R. Centurioni
Wei Mei
Jan Morzel
Shang-Ping Xie
- University of Colorado – Robert R. Leben
- University of Hawaii – F.-F. Jin
Yuan-Hui Li
Bin Wang
Tim Li
J. Boucharel
- University of Maryland – Shenn-Yu Chao
- University of Miami – Shuyi S. Chen
Hans Graber

- University of New Mexico – Jingfeng Wu
- University of Rhode Island – Lynn K. Shay
- University of South Florida – Ricardo Domingues
- University of Utah – Tobias P. Fischer
- University of Washington – Isaac Ginis
- Chuanmin Hu
- John Lin
- Eric D’Asaro
- Craig M. Lee
- Ren-Chieh Lien
- Rosalinda K. Mrvaljevic
- T. B. Sanford
- Woods Hole Oceanographic Institution – Steven R. Jayne
- James F. Price

Australia

- Federation University – Savin Chand
- University of New South Wales – M. H. England

PRC

- Chinese Academy of Sciences – Ping Huang
- Rong-Hui Huang
- Danling Tang
- Zhongzhen Yan
- Nanjing University of Information Science and Technology – Si Gao

Hong Kong

- City University of Hong Kong – Jonny C.L. Chan

Singapore

- Nanyang Technological University – K. Y. -H. Gin

Germany

- University of Hamburg – Werner Alpers

Intergovernmental Organization

- International CLIVAR Project Office (ICPO) – M. M. Ali

I-I Lin Publication List (林依依著作目錄)

A. Refereed papers, articles and book chapters

(經評審委員審查之學術期刊論文、評論論文與書本章節)

(IF: Impact Factor of yr2022; *: corresponding author(通訊作者))

2024

99. Jin, Fei-Fei*, Shoude Guan, Jiwei Tian*, **I-I Lin***, Iam-Fei Pun, Wei Zhao, John Huthnance, Zhao Xu, Wenju Cai, Zhao Jing, Lei Zhou, Ping Liu, Yihan Zhang, Zhiwei Zhang, Chun Zhou, Qingxuan Yang, Xiaodong Huang, Yijun Hou, and Jinbao Song, Ocean Internal Tides Suppress Tropical Cyclones in the South China Sea, *Nature Communications*, 2024. **ACCEPTED**. (IF: 16.6)

98. Kang, Sok Kuh*, Sung-Hun Kim, **I-I Lin**, Young-Hyang Park*, Yumi Choi, Isaac Ginis, Joseph Cione, Ji Yun Shin, Eun Jin Kim, Kyeong Ok Kim, Hyoun Woo Kang, Jae-Hyoung Park, Jean-Raymond Bidlot, and Brian Ward*, The North Equatorial Current and Rapid Intensification of Super Typhoons, *Nature Communications*, Vol. 15, 1742, doi: 10.1038/s41467-024-45685-2, Feb. 2024(Accepted), Mar. 2024(Published). (IF: 16.6)

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1. **Lin, I-I*** and W G Rees, A new fractal texture classification of cloud and ice cap surface-features from Landsat imagery, *Geoscience and Remote Sensing Symposium, 1992. IGARSS '92. International 1992*, Vols 1, p. 137-139, doi:10.1109/IGARSS.1992.576650, 1992.

B. Conference presentations / Seminars / Talks / Interviews (學術會議發表、學術演講與採訪)

2024

Session Co-convenor & Chair: AOGS 21th Annual Meeting, Session Title: Tropical Cyclone-ocean Interactions: from Weather to Climate, Pyeongchang, Gangwon-do, South Korea, Jun. 23-28, 2024.

I-I Lin, Suzana J. Camargo, Chun-Chi Lien, Chun-An Shi, James P. Kossin, Poleward migration as global warming's possible self-regulator to restrain future western North Pacific Tropical Cyclone's intensification, Japan Geoscience Union (JpGU) Meeting 2024, Chiba, Japan & Online, May 26-31, 2024 [**Presenter**]

I-I Lin, Suzana J. Camargo, Chun-Chi Lien, Chun-An Shi, James P. Kossin, Poleward migration as global warming's possible self-regulator to restrain future western North Pacific Tropical Cyclone's intensification, AMS 36th Conference on Hurricanes and Tropical Meteorology, Long Beach, California, USA & online, May 6-10, 2024. [**Presenter**]

Iam-Fei Pun, Huang-Hsiung Hsu, Il-Ju Moon, **I-I Lin**, and Jin-Yong Jeong, Marine Heatwave as a Supercharger for the Strongest Typhoon in the East China Sea, 2024 Ocean Sciences Meeting, New Orleans, Louisiana, USA, Feb. 18-23, 2024.

I-I Lin, Suzana J. Camargo, Chun-Chi Lien, Chun-An Shi, James P. Kossin, Poleward migration as global warming's possible self-regulator to restrain future western North Pacific Tropical Cyclone's intensification, 2024 Ocean Sciences Meeting, New Orleans, Louisiana, USA, Feb. 18-23, 2024. [**Presenter**]

I-I Lin, Poleward migration as global warming's possible self-regulator to restrain future western North Pacific Tropical Cyclone's intensification, Department of Earth System Science, University of California, Irvine, USA, Feb. 14, 2024. [**Invited**] [[Info](#)] [[Abstract](#)]

Christina M. Patricola, Dakota C. Forbis, Derrick K. Danso, Emily Bercos-Hickey, Jaison Kurian, William A. Gallus, Ping Chang, **I-I Lin**, Philip J. Klotzbach, Future Changes in Historically-Impactful Tropical Cyclones Events Using Storyline Simulations, The AMS Sixth Special

Symposium on Tropical Meteorology and Tropical Cyclones with the 104th AMS Annual Meeting, Baltimore, Maryland, USA & online, Jan. 28 - Feb. 1, 2024.

I-I Lin, Suzana J. Camargo, Chun-Chi Lien, Chun-An Shi, James P. Kossin, Global Warming, Poleward Migration, and Change in Tropical Cyclone's Potential Intensity, The AMS Sixth Special Symposium on Tropical Meteorology and Tropical Cyclones with the 104th AMS Annual Meeting, Baltimore, Maryland, USA & online, Jan. 28 - Feb. 1, 2024. **[Presenter]**

I-I Lin, Tropical Cyclone-Ocean Interaction: from Weather, Climate, to Global Warming, the Lamont-Doherty Earth Observatory Colloquium, Columbia University in the City of New York, USA, Jan. 19, 2024. **[Invited]**

2023

I-I Lin, 超級颱風、海洋與全球暖化- My Adventure, 國立陽明交通大學-經典通識教育講座, Hsinchu, Taiwan, Dec. 27, 2023. **[Invited]** **[Public Outreach]**[\[poster\]](#)

I-I Lin, Suzana J. Camargo, Chun-Chi Lien, Chun-An Shi, James P. Kossin, Poleward Migration as Global Warming's Possible Self-Regulator to Restrain Future Western North Pacific Tropical Cyclone's Intensification, 2023 AGU Fall Meeting, San Francisco, California, USA & Online, Dec. 11-15, 2023. **[Presenter]**

Derrick Kwadwo Danso, Christina M Patricola, Jaison Kurian, Ping Chang, Philip Klotzbach, **I-I Lin**, Air-Sea Coupling Influence on Projected Changes in Major Atlantic Tropical Cyclone Statistics: Rainfall, Intensity, and Storm Surge, 2023 AGU Fall Meeting, San Francisco, California, USA & Online, Dec. 11-15, 2023.

Cong Gao, Lei Zhou, Chunzai Wang, **I-I Lin**, Raghu Murtugudde, Unexpected Limitation of Tropical Cyclone Genesis by Subsurface Tropical Central-North Pacific during El Niño, 2023 AGU Fall Meeting, San Francisco, California, USA & Online, Dec. 11-15, 2023. (poster)

I-I Lin, Robert F. Rogers, Hsiao-Ching Huang, Yi-Chun Liao, Derrick Herndon, Jin-Yi Yu, Ya-Ting Chang, Jun A. Zhang, Christina M. Patricola, Iam-Fei Pun, Chun-Chi Lien, Ocean interaction and the intensity evolution of two high-impact super typhoons: Hagibis (2019) and Haiyan (2013), The 1st International Workshop on Typhoon Science and Technology Research Center (IWTRC), Yokohama, Japan, Nov. 8-9, 2023. **[Invited]**

Session Chair: International Workshop on Tropical Cyclone – Ocean Interaction in the Northwest Pacific (TCOI 2023), Session Title: Oceanic and Air-Sea Interaction Processes in Tropical Cyclones II, Jeju, Korea, Nov. 6-8, 2023.

I-I Lin, Suzana J. Camargo, Chun-Chi Lien, Chun-An Shi, James P. Kossin, Poleward migration as global warming's possible self-regulator to restrain future western North Pacific Tropical Cyclone's intensification, International Workshop on Tropical Cyclone – Ocean Interaction in the Northwest Pacific (TCOI 2023), Jeju, Korea, Nov. 6-8, 2023. **[Invited]**

Iam-Fei Pun, Huang-Hsiung Hsu, Il-Ju Moon, **I-I Lin**, and Jin-Yong Jeong, Marine Heatwave as a Supercharger for the Strongest Typhoon in the East China Sea, International Workshop on Tropical Cyclone – Ocean Interaction in the Northwest Pacific (TCOI 2023), Jeju, Korea, Nov. 6-8, 2023.

I-I Lin and Iam-Fei Pun, Marine Heat Waves - Drivers and Impacts (West Pacific/Indo-Pacific; typhoons), 101st Meeting of the Ocean Studies Board, the National Academies of Sciences, Engineering, and Medicine, Washington D.C, USA & Online, Oct. 2-3, 2023. **[Invited]**

Session Co-convener: AOGS 20th Annual Meeting, Session Title: Tropical Cyclone-ocean Interactions: from Weather to Climate, Singapore, Jul.30 - Aug.4, 2023.

Cong Gao, Lei Zhou, Chunzai Wang, **I-I Lin**, and Raghu Murtugudde, Unexpected Limitation of Tropical Cyclone Genesis by Subsurface Tropical Central-north Pacific During El Niño, AOGS 20th Annual Meeting, Singapore, Jul.30 - Aug.4, 2023.

I-I Lin, A Tale of Two Rapidly-Intensifying Super Typhoons: Hagibis (2019) and Haiyan (2013), The 15th International Conference on Mesoscale Convective Systems (ICMCS-XV), Colorado, USA & Virtual, May 22-25, 2023. **[Presenter]**

I-I Lin, Suzana J. Camargo, Chun-Chi Lien, Chun-An Shi, James P. Kossin, An Assessment of Poleward Migration's Possible Impact on Typhoon Intensification Under Global Warming, 2023年海洋科學年會暨國科會海洋學門成果發表, Taichung, Taiwan, May 2-4, 2023. **[Presenter]**

I-I Lin, Alice's Adventures in the Wonderland: My God and My Science, 臺北市立大學理學院-遇見大師講座, Taipei, Taiwan, Apr. 14, 2023. **[Invited]**

I-I Lin, Alice's adventure in the wonderland, 遠東福音會, Taipei, Taiwan, Mar. 24, 2023. **[Invited]**
[Public Outreach]

I-I Lin, An Assessment of Poleward Migration's Possible Impact on Typhoon Intensification under Global Warming, 2023大氣科學學門成果發表會, Taoyuan, Taiwan, Feb. 10-11, 2023.

I-I Lin, 國科會資安女婕思活動分享人, Hsinchu, Taiwan, Feb. 10, 2023. **[Invited]** **[Public Outreach]**

I-I Lin, Suzana J. Camargo, Chun-Chi Lien, Chun-An Shi, James P. Kossin, An Assessment of Poleward Migration's Possible Impact on Typhoon Intensification Under Global Warming, The AMS Fifth Special Symposium on Tropical Meteorology and Tropical Cyclones with the 103rd AMS Annual meeting, Denver, Colorado, USA & Online, Jan. 8-12, 2023. (virtual poster)

2022

Iam-Fei Pun, **I-I Lin**, Dong Shan Ko, James Price, Steven R Jayne, New Generation of Altimetry-derived Ocean Thermal Structure for Tropical Cyclone Intensity Forecasting and Research, 2022 AGU Fall Meeting, Chicago, Illinois, USA & Online, Dec. 12-16, 2022.

I-I Lin, 「高中女生科學教育巡迴活動」(由教育部國教署、財團法人吳健雄學術基金會、台灣萊雅公司等單位辦理), 北一女, Taipei, Taiwan, Dec. 3, 2022. **[Invited] [Public Outreach]**

I-I Lin, 熱帶氣旋—海洋交互作用：天氣、氣候與全球暖化, 台北市地球科學學科平台-教師研習, 成功高中, Taipei, Taiwan & Online, Nov. 22, 2022. **[Invited] [Public Outreach]** [[簡介/Intro](#)]

I-I Lin, Robert F. Rogers, Hsiao-Ching Huang, Yi-Chun Liao, Derrick Herndon, Jin-Yi Yu, Ya-Ting Chang, Jun A. Zhang, Christina M. Patricola, Iam-Fei Pun, Chun-Chi Lien, A Tale of Two Rapidly-Intensifying Super Typhoons: Hagibis (2019) and Haiyan (2013), NTU-KU joint workshop on severe weather and climate impacts in East Asia, NTU, Taipei, Taiwan, Nov. 21-22, 2022. **[Presenter]**

I-I Lin, 與林依依老師有約-Women in STEM (Science, Technology, Engineering, Mathematics) 下午茶_介紹課程「共創雙贏-女科學家們的努力與展望」, 臺大STEM女性教研人員聯誼會, NTU, Taipei, Taiwan, Nov. 11, 2022. **[Invited]**

I-I Lin, 女力與努力：破解超級颱風的秘密, 臺灣科學節-大師有約講座, 國立臺灣科學教育館, Taipei, Taiwan, Nov. 5, 2022. **[Invited] [Public Outreach]** [[簡介/Intro](#)]

I-I Lin, Ya-Ting Chang, Robert F. Rogers, Hsiao-Ching Huang, Yi-Chun Liao, Chun-Chieh Wu, Iam-Fei Pun, Derrick Herndon, Jin-Yi Yu, Jun A. Zhang, Christina M. Patricola, Chun-Chi Lien, Change in Tropical Cyclone (TC) Translation Speed and Its Impact on TC Intensification: Climate and Weather Scale Explorations, Northwestern Pacific Ocean Circulation and Climate Experiment (NPOCE) 4th Open Science Symposium (OSS) on Western Pacific Ocean Circulation and Climate (WPOC), Xiamen, China & Online, Oct.24-27, 2022. **[Invited]**

I-I Lin, 2022 戴運軌地科科學營, Taoyuan, Taiwan, Aug. 16, 2022. **[Invited] [Public Outreach]**[\[簡介\]](#)

Session Convener & Chair: AOGS 19th Annual Meeting, Session Title: Tropical Cyclone and Ocean Interactions: from Weather, Climate, to Global Warming, Virtual, Aug. 1-5, 2022.

I-I Lin, Robert F. Rogers, Hsiao-Ching Huang, Yi-Chun Liao, Derrick Herndon, Jin-Yi Yu, Ya-Ting Chang, Jun A. Zhang, Christina M. Patricola, Iam-Fei Pun, Chun-Chi Lien, A Tale of Two Rapidly-intensifying Super Typhoons: Hagibis (2019) and Haiyan (2013), AOGS 19th Annual Meeting, Virtual, Aug. 1-5, 2022. **[Presenter]**

Cong Gao, Lei Zhou, Chunzai Wang, **I-I Lin**, Raghu Murtugudde, Suppression of Tropical Cyclone Genesis by Subsurface Environment in the Tropical Central North Pacific During El Niño, AOGS 19th Annual Meeting, Virtual, Aug. 1-5, 2022.

Iam-Fei Pun, **I-I Lin**, Dong S. Ko, New Generation of Satellite-derived Ocean Thermal Structure for Typhoon Intensity Forecasting, AOGS 19th Annual Meeting, Virtual, Aug. 1-5, 2022. (poster)

I-I Lin, Robert F. Rogers, Hsiao-Ching Huang, Yi-Chun Liao, Derrick Herndon, Jin-Yi Yu, Ya-Ting Chang, Jun A. Zhang, Christina M. Patricola, Iam-Fei Pun, Chun-Chi Lien, Ocean Interaction and the Intensity Evolution of Two High-Impact Super Typhoons: Hagibis (2019) and Haiyan (2013), 2022年臺灣地球科學聯合學術研討會(TGA)&海洋科學年會, Taipei, Taiwan, Jun. 7-10, 2022. **[Presenter]**

I-I Lin, Robert F. Rogers, Hsiao-Ching Huang, Yi-Chun Liao, Derrick Herndon, Jin-Yi Yu, Ya-Ting Chang, Jun A. Zhang, Christina M. Patricola, Iam-Fei Pun, Chun-Chi Lien, A Tale of Two Rapidly-Intensifying Super Typhoons: Hagibis (2019) and Haiyan (2013), 2022年臺灣地球科學聯合學術研討會(TGA)&海洋科學年會, Taipei, Taiwan, Jun. 7-10, 2022. **[Invited]**

I-I Lin, Suzana J. Camargo, Chun-Chi Lien, Chun-An Shi, James P. Kossin, An Assessment of Poleward Migration's Possible Impact on Typhoon Intensification under Global Warming, 2022年臺灣地球科學聯合學術研討會(TGA)&海洋科學年會, Taipei, Taiwan, Jun. 7-10, 2022. **[Presenter]**

I-I Lin, TC-Ocean Interaction for high impact super typhoons in the western North Pacific, UN/GOOS (United Nations/Global Ocean Observing System) Ocean Observing Co-Design workshop, Online, Jun. 7-9, 2022. **[Steering Committee Member]**

I-I Lin, Connections between ENSO and tropical cyclones, Climate, History and Environment in the “Great Wall” Region, Institute for Advanced Study, Princeton, USA & Online, Jun. 3-4, 2022, **[Invited]**

I-I Lin, Robert F. Rogers, Hsiao-Ching Huang, Yi-Chun Liao, Derrick Herndon, Jin-Yi Yu, Ya-Ting Chang, Jun A. Zhang, Christina M. Patricola, Iam-Fei Pun, Chun-Chi Lien, Ocean Interaction and the Intensity Evolution of Two High-Impact Super Typhoons: Hagibis (2019) and Haiyan (2013), EGU General Assembly 2022, Vienna, Austria & Online, May 23-27, 2022. **[Presenter]**

I-I Lin, ENSO, Tropical Cyclone, and Climate Change, Japan Geoscience Union (JpGU) Meeting 2022, Chiba, Japan & Online, May 22-27, 2022. **[Presenter]**

I-I Lin, Suzana J. Camargo, Chun-Chi Lien, Chun-An Shi, James P. Kossin, An Assessment of Poleward Migration’s Possible Impact on Typhoon Intensification under Global Warming, AMS 35th Conference on Hurricanes and Tropical Meteorology, New Orleans, LA, USA & Virtual, May 9-13, 2022. **[Presenter]**

I-I Lin, 1. Change in Tropical Cyclone (TC) Translation Speed in the South China Sea and Implication on TC Intensity Change, 2. The Explosive Intensification of Super Typhoon Hagibis (2019), University of Hawaii at Manoa, May 4, 2022. **[Invited]**[\[Abstract\]](#)[\[PDF\]](#)

I-I Lin, Taiwan Panorama 台灣光華雜誌採訪, 解開超級颱風之謎 不斷跨域的科學家林依依, May 2022. [\[聯合新聞網\]](#) [\(PDF\)](#) [\[期刊封面\]](#) [\[期刊\]](#)

Session Organizer, Convener & Chair: 2022 Ocean Sciences Meeting, Session Title: Tropical Cyclone-Ocean Interactions: From Weather to Climate, Online, Feb. 27-Mar. 4, 2022.

I-I Lin, Robert F. Rogers, Hsiao-Ching Huang, Yi-Chun Liao, Derrick Herndon, Jin-Yi Yu, Ya-Ting Chang, Jun A. Zhang, Christina M. Patricola, Iam-Fei Pun, Chun-Chi Lien, Ocean Interaction and the Intensity Evolution of Two High-Impact Super Typhoons: Hagibis (2019) and Haiyan (2013), 2022 Ocean Sciences Meeting, Online, Feb. 27-Mar. 4, 2022. **[Presenter]**

I-I Lin, Tropical Cyclone-Ocean Interaction: from Weather, Climate, to Global Warming, 2022年大氣科學學門成果發表會, Online, Feb. 11-12, 2022.

I-I Lin, Robert F. Rogers, Hsiao-Ching Huang, Yi-Chun Liao, Derrick Herndon, Jin-Yi Yu, Ya-Ting Chang, Jun A. Zhang, Christina M. Patricola, Iam-Fei Pun, Chun-Chi Lien, A Tale of Two Rapidly-Intensifying Super Typhoons: Hagibis (2019) and Haiyan (2013), The AMS Richard H. Johnson Symposium in conjunction with the 102nd AMS Annual meeting, Houston, Texas, USA, Jan. 23-27, 2022. (poster)

2021

I-I Lin, Robert F. Rogers, Hsiao-Ching Huang, Yi-Chun Liao, Derrick Herndon, Jin-Yi Yu, Ya-Ting Chang, Jun A. Zhang, Christina M. Patricola, Iam-Fei Pun, Chun-Chi Lien, Ocean Interaction and the Intensity Evolution of Two High-Impact Super Typhoons: Hagibis (2019) and Haiyan (2013), 2021 AGU Fall Meeting, New Orleans, Louisiana, USA & Online, Dec. 13-17, 2021. **[Presenter]** [\[PDF\]](#) [\[Recording_English\]](#)

I-I Lin, 理工女孩站出來-理工生命學科分享與傳承座談, 中正國中, Taipei, Taiwan, Dec. 2, 2021. **[Invited]** **[Public Outreach]** [\[PDF\]](#)

I-I Lin, 台灣電視公司採訪, 熱線追蹤-反聖嬰再起 連兩年出現, Nov. 22, 2021. [\[YouTube\]](#)

I-I Lin, Tropical Cyclone-Ocean Interaction: from Weather, Climate, to Global Warming, Department of Bioenvironmental Systems Engineering, NTU, Taipei, Taiwan, Nov. 18, 2021. **[Invited]**

I-I Lin, Robert F. Rogers, Hsiao-Ching Huang, Yi-Chun Liao, Derrick Herndon, Jin-Yi Yu, Ya-Ting Chang, Jun A. Zhang, Christina M. Patricola, Iam-Fei Pun, Chun-Chi Lien, Ocean Interaction and the Intensity Evolution of Two High-Impact Super Typhoons: Hagibis (2019) and Haiyan (2013), 1st International Association of Meteorological Education and Sciences (IAMES) Conference, Nanjing, China & Online, Nov. 15-17, 2021. **[Invited]**

I-I Lin, Satellite, Typhoon, Ocean, and Global Warming - My Adventure, 國立海洋科技博物館「2021海洋女力崛起」專題線上講座, Online, Oct. 30, 2021. **[Invited]** **[Public Outreach]**

I-I Lin, Change in Tropical Cyclone (TC) Translation Speed and Its Impact on TC Intensification: Climate and Weather Scale Explorations, 2021年海峽兩岸暨港澳青年女科學家論壇, Shenzhen, China & Online, Oct. 15-18, 2021. **[Invited]**

I-I Lin, 熱帶氣旋海洋交互作用: 天氣, 氣候變異與全球暖化, 臺灣海洋聯盟啟動儀式暨2021臺灣海洋聯盟大會, National Sun Yat-sen University (NSYSU), Kaohsiung, Taiwan, Oct. 1-2, 2021. **[Invited]**

Invited Panellist: The Third AOGS-EGU Joint Conference on New Dimensions for Natural Hazards in Asia (NatHazards2021), Moderated Panel discussion on "Tropical Cyclones and Climate Change", Virtual, Sep. 20-22, 2021.

I-I Lin, A Tale of Two Rapidly-intensifying Super Typhoons: Hagibis (2019) and Haiyan (2013), The Third AOGS-EGU Joint Conference on New Dimensions for Natural Hazards in Asia (NatHazards2021), Virtual, Sep. 20-22, 2021. **[Presenter]** [\[Key_paper\]](#) [\[Key_paper_SOM\]](#)

I-I Lin, Robert F. Rogers, Ya-Ting Chang, Hsiao-Ching Huang, Yi-Chun Liao, Derrick Herndon, Jin-Yi Yu, Chun-Chi Lien, Jun A. Zhang, Christina M. Patricola, Iam-Fei Pun, Change in Tropical Cyclone (TC) Translation Speed and Its Impact on TC Intensification: Climate and Weather Scale Explorations, 2021 Climate Hotpot in Action Forum and Year of Maritime Continent Workshop (CHIAxYMC), Online, Sep. 1-3, 2021. **[Invited]** [\[PDF\]](#)

I-I Lin, 科技部《自然科學與永續研究發展簡訊》專訪, 超級颱風、全球暖化、跨領域研究與母職的碰撞及火花, Vol. 33, No. 3, Sep. 2021. [\[Link\]](#) [\[PDF\]](#) [\[SPEC Monthly 電子報\]](#)

I-I Lin, 《天下》雜誌採訪(台灣萊雅合作), Aug. 30, 2021. [\[天下雜誌\]](#) [\[CSR@天下\]](#)

Session Convener & Chair: AOGS 18th Annual Meeting, Session Title: Tropical Cyclone and Ocean Interactions: from Weather, Climate, to Global Warming, Virtual, Aug. 1-6, 2021.

I-I Lin, Robert Rogers, Hsiao-Ching Huang, Yi-Chun Liao, Jin-Yi Yu, Christina M. Patricola, Jun Zhang, Derrick Herndon, Ya-Ting Chang, Iam-Fei Pun, Chun-Chi Lien, Rapid Intensification of Super Typhoon Hagibis (2019), AOGS 18th Annual Meeting, Virtual, Aug. 1-6, 2021. **[Presenter]**

Ya-Ting Chang, Hsiao-Ching Huang, **I-I Lin**, Yi-Chun Liao and Chun-Chi Lien, The Association of Typhoon Intensity Increase with Translation Speed Increase in the South China Sea, AOGS 18th Annual Meeting, Virtual, Aug. 1-6, 2021. (Co-author, poster)

I-I Lin, Tropical Cyclone-Ocean Interaction: from Weather, Climate, to Global Warming, Virtual Formal Seminar, Geophysical Fluid Dynamics Laboratory/National Oceanic and Atmospheric Administration (GFDL/NOAA), Princeton USA, Jun. 3, 2021. **[Invited]**

Session Co-Convener: AMS 34st Conference on Hurricanes and Tropical Meteorology, Session Title: Air-Sea Interaction, Virtual, May 9-14, 2021.

I-I Lin, Robert Rogers, Hsiao-Ching Huang, Yi-Chun Liao, Derrick Herndon, Jin-Yi Yu, Ya-Ting Chang, Jun Zhang, Christina M. Patricola, Iam-Fei Pun, Chun-Chi Lien, Rapid Intensification of Super Typhoon Hagibis (2019), AMS 34st Conference on Hurricanes and Tropical Meteorology, Virtual, May 9-14, 2021. **[Presenter]** [\[Recording English\]](#)

I-I Lin, Robert Rogers, Hsiao-Ching Huang, Yi-Chun Liao, Jin-Yi Yu, Christina M. Patricola, Jun Zhang, Derrick Herndon, Ya-Ting Chang, Iam-Fei Pun, Chun-Chi Lien, Rapid Intensification of Super Typhoon Hagibis (2019), 2021年海洋科學年會暨科技部海洋學門成果發表會, Penghu, Taiwan, Apr. 28-30, 2021. **[Presenter]** [\[PDF\]](#) [\[Recording Chinese\]](#)

I-I Lin, A Tale of Two Rapidly-Intensifying Supertyphoons: Hagibis (2019) and Haiyan (2013), Department of Atmospheric Sciences, NTU, Taipei, Taiwan, Mar. 30, 2021. **[Invited]**

I-I Lin, Suzana Camargo, Christina Patricola, Julien Boucharel, Savin Chand, Phil Klotzbach, Johnny Chan, Bin Wang, Ping Chang, Tim Li, Fei-Fei Jin, AGU Centennial Monograph – ENSO in a Changing Climate: ENSO and Tropical Cyclones, Australian Meteorological and Oceanographic Society(AMOS) 28th Annual Conference, Online, Feb. 8-12, 2021. **[Invited]**

Ya-Ting Chang, **I-I Lin**, Hsiao-Ching Huang, Yi-Chun Liao and Chun-Chi Lien, The Association of Typhoon Intensity Increase with Translation Speed Increase in the South China Sea, The AMS 22nd Conference on Air-Sea Interaction in conjunction with the 101st AMS Annual meeting, Virtual, Jan. 11-15, 2021. (Co-author, poster)

I-I Lin, Robert Rogers, Hsiao-Ching Huang, Yi-Chun Liao, Jin-Yi Yu, Christina M. Patricola, Jun Zhang, Derrick Herndon, Ya-Ting Chang, Iam-Fei Pun, Chun-Chi Lien, Rapid Intensification of Super Typhoon Hagibis (2019), The AMS Fourth Special Symposium on Tropical Meteorology and Tropical Cyclones in conjunction with the 101st AMS Annual meeting, Virtual, Jan. 11-15, 2021. (poster)

2020

I-I Lin, Tropical Cyclone-Ocean Interaction: from Weather, Climate, to Global Warming, Institute of Oceanography, NTU, Taipei, Taiwan, Dec. 31, 2020. **[Invited, Physics group seminar]**

Session Co-chair: 2020 AGU Fall Meeting, Session Title: Tropical Cyclones: Observations, Modeling, and Predictability I, Online, Dec. 1-17, 2020.

I-I Lin, Robert Rogers, Hsiao-Ching Huang, Yi-Chun Liao, Jin-Yi Yu, Christina M. Patricola, Jun Zhang, Derrick Herndon, Ya-Ting Chang, Iam-Fei Pun, Chun-Chi Lien, Rapid Intensification of Super Typhoon Hagibis (2019), 2020 AGU Fall Meeting, Online, Dec. 1-17, 2020. (poster)**[本section的chair皆為poster，將大多數口頭報告由PHD學生擔任]**

I-I Lin, Air-Sea Physical/Biogeochemical Interactions in the Western Pacific and the South China Sea: Short-Term observations and Long-Term Implication, Institute of Oceanography, NTU, Taipei, Taiwan, Nov. 24, 2020. **[Invited, Chemistry group seminar]**

I-I Lin, 颱風、海洋，和氣候—小心，'姚明'來了！，科技部2020秋季「展望」系列演講講座， Online, Oct. 23, 2020. **[Invited] [Public Outreach]**

***YouTube link:** <https://www.youtube.com/watch?v=tfpzG3ERhSc>

I-I Lin, Tropical Cyclone-Ocean Interaction: Natural Climate Variability and Global Warming,

Climate Hotspots In Action (CHIA) Forum, Taipei, Taiwan, Sep. 8-9, 2020. **[Invited]**

I-I Lin, Tropical Cyclone-Ocean Interaction: from Weather, Climate, to Global Warming, Fudan University (Remote Oral Presentation), China, Jul. 21, 2020. **[Invited]** [\[PDF\]](#)

Iam-Fei Pun, Johnny C. L. Chan, **I-I Lin**, Kelvin T. F. Chan, James F. Price, Dong Shan Ko, Chun-Chi Lien, Yu-Lun Wu and Hsiao-Ching Huang, Rapid Intensification of Typhoon Hato (2017) over Shallow Water, 2020 Ocean Sciences Meeting, San Diego, California, USA, Feb. 16-21, 2020. **[Co-author, Session Co-chair & Co-convenor]**

I-I Lin, Suzana Camargo, Christina Patricola, Julien Boucharel, Savin Chand, Phil Klotzbach, Johnny Chan, Bin Wang, Ping Chang, Tim Li, Fei-Fei Jin, AGU Centennial Monograph – ENSO in a Changing Climate: ENSO and Tropical Cyclones, 2020 Ocean Sciences Meeting, San Diego, California, USA, Feb. 16-21, 2020. **[Presenter, Session Co-chair & Co-convenor]**

1992~2019

Conference presentations (學術會議發表)

Iam-Fei Pun, Johnny C. L. Chan, **I-I Lin**, Kelvin T. F. Chan, James F. Price, Dong Shan Ko, Chun-Chi Lien, Yu-Lun Wu and Hsiao-Ching Huang, Rapid Intensification of Typhoon Hato (2017) over Shallow Water, 2019 AGU Fall Meeting, San Francisco, California, USA, Dec. 9-13, 2019.

Ricardo Domingues, Patricia Chardon-Maldonado, Robert E. Todd, George R. Halliwell, Hyun-Sook Kim, **I-I Lin**, Lynn K. Shay, Travis Miles, Scott Glenn, Jun A. Zhang, Steven R. Jayne, Luca R. Centurioni, Matthieu Le Hénaff, Gregory Foltz, Francis Bringas, MM Ali, Steven DiMarco, Benjamin LaCour, Avichal Mehra, Elizabeth R. Sanabia, Jili Dong, John Knaff, Gustavo J. Goni, Ocean Observations in Support of Studies and Forecasts of Tropical Cyclones, OceanObs'19, Honolulu, Hawaii, USA, Sep. 16-20, 2019. (poster)

I-I Lin, Suzana Camargo, Christina Patricola, Julien Boucharel, Savin Chand, Phil Klotzbach, Johnny Chan, Bin Wang, Ping Chang, Tim Li, Fei-Fei Jin, ENSO and Tropical Cyclones – A Review, AOGS 16th Annual Meeting, Singapore, Jul. 28 - Aug. 2, 2019. **[Presenter, Session Co-convenor]**

Johnny Chan, Iam Fei Pun, **I-I Lin**, Kelvin T. F. Chan, James Price, Allen Wu, Hsiao-Ching Huang, Sudden Intensification of Typhoon Hato (2017) over Shallow Water, AOGS 15th Annual Meeting, Honolulu, Hawaii, USA, Jun. 6-11, 2018. **[Co-author, Main Convenor]**

- I-I Lin**, Chun-An Shi, Chun-Chi Lien, Shou-Fu Keng, Tropical Cyclone-Ocean Interaction, Climate Variability, and Gaia, 2018 年海洋科學年會暨科技部海洋學門成果發表會, Taipei, Taiwan, May 2-3, 2018.
- I-I Lin**, H-C Huang, M-M Lu, J. Boucharel, F-F Jin, C-C Lien, Tropical Cyclone-Ocean Interaction: Cases of Meranti (2016), Patricia (2015), and Haiyan (2013), AMS 33rd Conference on Hurricanes and Tropical Meteorology, Ponte Vedra, FL, USA, Apr. 16-20, 2018. [**Presenter, Session Organiser: Air-Sea Interaction II**]
- I-I Lin**, Chun-An Shi, Suzana Camargo, Johnny Chan, and Chun-Chi Lien, Tropical Cyclone-Ocean Interaction, Climate Variability, and Gaia, 2018 年大氣科學學門研究成果發表會暨中華民國氣象學會會員(代表)大會, Tainan, Taiwan, Mar. 10-11, 2018. (poster)
- I-I Lin**, Chun-An Shi, Suzana Camargo, Johnny Chan, and Chun-Chi Lien, Tropical Cyclone-Ocean Interaction, Climate Variability, and Gaia, 2018 Ocean Sciences Meeting, Portland, Oregon, USA, Feb. 11-16, 2018. [**Presenter, Session Co-chair**]
- Iam-Fei Pun, Johnny C. L. Chan, and **I-I Lin**, Sudden Intensification of Typhoon Hato (2017) before Landfall on Macau, Fourth International Workshop on Tropical Cyclones Landfall Processes(IWTCLP-4), Macau, China, Dec. 5-7, 2017.
- I-I Lin**, M.-M. Lu, H.-C. Huang, J. Boucharel, F.-F. Jin, C.-C. Lien, A Category ‘6’ Trio – Supertyphoons Meranti (2016), Haiyan (2013), and Hurricane Patricia (2015), Conference on Mesoscale Convective Systems and High-Impact Weather in East Asia (ICMCS-XII) , Taipei, Taiwan, Oct. 17-20, 2017. [**Invited**]
- I-I Lin**, Chun-An Shi, Suzana Camargo, Johnny Chan, and Chun-Chi Lien, Tropical Cyclone-Ocean Interaction, Climate Variability, and Gaia, Workshop for Climate Variability and Air-Sea Interaction, Taipei, Taiwan, Oct. 12-13, 2017.
- I-I Lin**, Ping Huang, Chun-An Shi. and Chun-Chi Lien, Tropical Cyclone-Ocean Interaction and Global Warming, Workshop for Typhoon, cloud and climate study, Taipei, Taiwan, Aug. 22-24, 2017.
- I-I Lin**, M.-M. Lu, H.-C. Huang, J. Boucharel, F.-F. Jin, C.-C. Lien, A Category ‘6’ Trio – Supertyphoons Meranti (2016), Haiyan (2013), and Hurricane Patricia (2015), AOGS 14th Annual Meeting, Singapore, Aug. 6-11, 2017. [**Invited**]
- I-I Lin**, Ping Huang, Chun-An Shi. and Chun-Chi Lien, Tropical Cyclone-Ocean Interaction and Global Warming, AOGS 14th Annual Meeting, Singapore, Aug. 6-11, 2017. [**Presenter,**

Session Chair & Co-convener]

Hsiao-Ching Huang, Julien Boucharel, **I-I Lin**, Fei-Fei Jin, Chun-Chi Lien, Iam Fei Pun, Air-sea Fluxes for Hurricane Patricia (2015): Comparison With Supertyphoon Haiyan (2013) And Under Different Enso Conditions, AOGS 14th Annual Meeting, Singapore, Aug. 6-11, 2017. **[Co-author, Session Chair & Co-convener]**

Shoude Guan, Jiwei Tian, Fei-Fei Jin, **I-I Lin**, Iam Fei Pun, John Huthnance, Ocean Internal Tide as A Killer For Intense Tropical Cyclones In The South China Sea, AOGS 14th Annual Meeting, Singapore, Aug. 6-11, 2017. **[Co-author, Session Chair & Co-convener]**

I-I Lin, M.-M. Lu, H.-C. Huang, J. Boucharel, F.-F. Jin, C.-C. Lien, A Category ‘6’ Trio – Supertyphoons Meranti (2016), Haiyan (2013), and Hurricane Patricia (2015), JpGU-AGU joint meeting 2017, Makuhari Messe, Japan, May 20-25, 2017.

I-I Lin, Ping Huang, Chun-An Shi. and Chun-Chi Lien, Tropical Cyclone-Ocean Interaction and Global Warming, JpGU-AGU joint meeting 2017, Makuhari Messe, Japan, May 20-25, 2017. **[Invited]**

Hsiao-Ching Huang, Julien Boucharel, **I-I Lin**, Fei-Fei Jin, Chun-Chi Lien, Iam Fei Pun, Air-sea Fluxes for Hurricane Patricia (2015): Comparison With Supertyphoon Haiyan (2013) And Under Different Enso Conditions, 2017 APEC Typhoon Symposium – The Challenges and Opportunities for Typhoon and Flood Forecasting, Taipei, Taiwan, May 2-3, 2017.

I-I Lin, M.-M. Lu, H.-C. Huang, J. Boucharel, F.-F. Jin, C.-C. Lien A Category ‘6’ Trio – Supertyphoons Meranti (2016), Haiyan (2013), and Hurricane Patricia (2015), 2017 年海洋科學年會暨科技部海洋學門成果發表會, Kaohsiung, Taiwan, May 4-5, 2017.

I-I Lin, M.-M. Lu, H.-C. Huang, J. Boucharel, F.-F. Jin, C.-C. Lien, A Category ‘6’ Trio – Supertyphoons Meranti (2016), Haiyan (2013), and Hurricane Patricia (2015), 19th Pacific-Asian Marginal Seas (PAMS), Jeju Island, South Korea, Apr. 11-13, 2017. **[Presenter, Session Co-convener]**

I-I Lin, Maggie Lien, Hsiao-Ching Huang, Shaw-Fu Keng and Chun-An Shih, Tropical-Cyclone Ocean Interaction: from Weather, Climate, to Global, 2017 年大氣科學學門研究成果發表會暨研究生海報競賽, Miaoli, Taiwan, Feb. 09, 2017. (poster)

Hsiao-Ching Huang, **I-I Lin**, Hurricane-ocean Interaction Related to Enso in the Eastern North Pacific Ocean, AOGS 13th Annual Meeting, Beijing, China, Jul. 31 - Aug. 5, 2016.

Ping Huang, **I-I Lin**, Chia Chou, Rong-Hui Huang, Change in Ocean Subsurface Environment to

Suppress Tropical Cyclone Intensification under Global Warming, 2016 APEC Typhoon Symposium (APTS), Taipei, Taiwan, May 24-25, 2016. **[Invited]**

I-I Lin, Johnny Chan, Recent Decrease in Typhoon Destructive Potential and Global Warming Implications, 2016 Taiwan Geosciences Assembly (TGA), Taipei, Taiwan, May 15-20, 2016.

I-I Lin, Johnny Chan, Ping Huang, Bin Wang, Zhi-Wen Zheng, late Chia Chou, Rong Hui Huang, Chun-Chi Lien, Hsiao-Ching Huang, ChiHong Chen, Iam-Fei Pun, Yating Chang, Tropical Cyclone-Ocean Interaction and Global Warming, 2016 Taiwan Geosciences Assembly (TGA), Taipei, Taiwan, May 15-20, 2016. **[Presenter, Session Convener]**

I-I Lin, Tropical Cyclone-Ocean Interaction and Global Warming, 2016 年大氣科學學門研究成果發表會, Taichung, Taiwan, Feb. 28-29, 2016.

Ping Huang, **I-I Lin**, Chia Chou, Rong-Hui Huang, Change in Ocean Subsurface Environment to Suppress Tropical Cyclone Intensification under Global Warming, AMS 32nd Conference on Hurricanes and Tropical Meteorology, San Juan, Puerto Rico, USA, Apr. 18-22, 2016.

Session Primary Chair: 2016 Ocean Sciences Meeting, Session Title: Tropical Cyclone-Ocean Interactions: from Weather to Climate, Louisiana, USA, Feb. 21-26, 2016.

Julien Boucharel, Fei-Fei Jin, **I-I Lin**, Matthew H England and Siao-Ching Huang, Subseasonal to Interannual Variability of Tropical Cyclone Activity in the Eastern Pacific. Towards a Comprehensive Forecasting System with Significant Lead Time, 2016 Ocean Sciences Meeting, Louisiana, USA, Feb. 21-26, 2016. **[Co-author, Session Primary Chair: Tropical Cyclone-Ocean Interactions: from Weather to Climate]**

Session Co-convener: 2015 AGU Fall Meeting, Session Title: Tropical Cyclones and Climate on all Timescales, San Francisco, USA, Dec. 14-18, 2015.

I-I Lin, Zhe-Wen Zheng, Bin Wang, Hsiao-Ching Huang, Chi-Hong Chen, A Long Neglected Damper in the El Niño—Typhoon Relationship: a ‘Gaia-Like’ Process, DBCP NPOMS-4 Typhoon Capacity Building Workshop, Busan, Republic of Korea, Nov. 2-4, 2015. **[Presenter, Organizing Committee & Remotely talk]**

I-I Lin, Zhe-Wen Zheng, Bin Wang, Hsiao-Ching Huang, Chi-Hong Chen, Two Types of El Niño, Ocean Heat Content, and Typhoon Intensification, AOGS 12th Annual Meeting, Singapore, Aug. 02-07, 2015.

I-I Lin and Johnny C. L. Chan, Recent Decrease in Tropical Cyclone Destructive Potential in the

Western North Pacific Ocean, AOGS 12th Annual Meeting, Singapore, Aug. 02-07, 2015.

I-I Lin, Title 1: ‘Category-6’ typhoon Haiyan, Ocean Warming & Ocean Coupling Potential Intensity (OCPI), Title 2: Eastern Pacific Tropical Cyclones Intensified by El Niño Delivery of Subsurface Ocean Heat, 2015 年大氣學門成果發表會暨研究生海報競賽, Taichung, Taiwan, Feb. 27-Mar. 01, 2015. (poster)

I-I Lin and Iam-Fei Pun, ‘Category-6’ Typhoon Haiyan (2013) and Ongoing Subsurface Warming Over the Western North Pacific Main Development Region, 中国海洋大学物理海洋教育部重点实验室 2014 年学术委员会会议暨学术年会, 中國青島, Dec. 08-09, 2014. [**Invited**]

I-I Lin and Iam-Fei Pun, ‘Category-6’ Typhoon Haiyan, Ocean Subsurface Warming, and Ocean Coupling Potential Intensity Index, WMO Eighth International Workshop on Tropical Cyclones (IWTC-VIII) (including IWTCCLP-III), Jeju Island, Republic of Korea, Dec. 02-10, 2014. [**Presenter, WMO IWTC Panel member**]

I-I Lin and Iam-Fei Pun, ‘Category-6’ Typhoon Haiyan (2013) and Ongoing Subsurface Warming Over the Western North Pacific Main Development Region, 海峽兩岸西太平洋暖池海-氣多尺度相互作用與熱帶氣旋專家研討會暨兩岸颱風研究合作展望座談會, 中國江蘇省揚州市, Nov. 10-13, 2014. [**Invited**]

I-I Lin and Iam-Fei Pun, ‘Category-6’ Supertyphoon Haiyan in Global Warming Hiatus – Two Sides of the Same Coin, 2014 APEC Typhoon Symposium (APTS), Taipei, Nov. 04-05, 2014. [**Presenter, Program Committee & keynote presentation**]

I-I Lin, and Iam-Fei Pun, ‘Category-6’ Typhoon Haiyan, Ocean Subsurface Warming, and Ocean Coupling Potential Intensity Index, DBCP NPOMS-3 Typhoon Capacity Building Workshop, Kyoto, Japan, Oct. 06-08, 2014. [**Presenter, Organizing Committee**]

I-I Lin, and Iam-Fei Pun, ‘Category-6’ Supertyphoon Haiyan (2013), Decadal Ocean Subsurface Warming, and Ocean Coupling Potential Intensity Index, International Conference on Mesoscale Meteorology and Tropical Cyclones, Boulder, Colorado, USA, Sep. 15-18, 2014.

I-I Lin, and Iam-Fei Pun, ‘Category-6’ Supertyphoon Haiyan (2013), Decadal Ocean Subsurface Warming, and Ocean Coupling Potential Intensity Index, 2014 World Weather Open Science Conference, Montreal, Canada, Aug. 16-21, 2014. [**keynote speaker**]

I-I Lin, and Iam-Fei Pun, ‘Category-6’ Supertyphoon Haiyan (2013), Decadal Ocean Subsurface

- Warming, and Ocean Coupling Potential Intensity Index, AOGS 11th Annual Meeting, Sapporo, Japan, Jul. 28-Aug. 01, 2014. [**Presenter, Session Chair & Co-convener: The Science, Prediction and Ocean Interaction of Tropical Cyclones (AS07-25)]**
- I-I Lin**, and I. F. Pun, P. Black, J. F. Price, C. Y. Yang, S. S. Chen, P. Harr, N. H. Chi, C. C. Wu and E. D'Asaro, Recent Increase in High Tropical Cyclone Heat Potential Region in the Western North Pacific Ocean and the new Ocean Coupling Potential Intensity Index, AOGS 11th Annual Meeting, Sapporo, Japan, Jul. 28-Aug. 01, 2014. [**Invited**]
- I-I Lin**, and Iam-Fei Pun, 'Category-6' Supertyphoon Haiyan (2013), Decadal Ocean Subsurface Warming, and Ocean Coupling Potential Intensity Index, Workshop on Numerical Prediction of Tropical Cyclones, Taipei, Taiwan, May. 20-21, 2014.
- I-I Lin** and Iam-Fei Pun, 'Category-6' typhoon Haiyan, Ocean Subsurface Warming, and Ocean Coupling Potential Intensity Index, 2014 年海洋科學年會暨國科會海洋學門成果發表會, Taipei, Taiwan, Apr. 27-May 1, 2014.
- I-I Lin** and Iam-Fei Pun, 'Category-6' typhoon Haiyan, Ocean Subsurface Warming, and Ocean Coupling Potential Intensity Index, AMS 31st Conference on Hurricanes and Tropical Meteorology, San Diego, California, USA, Mar. 31-Apr. 4, 2014.
- I-I Lin**, and I. F. Pun, P. Black, J. F. Price, C. Y. Yang, S. S. Chen, P. Harr, N. H. Chi, C. C. Wu and E. D'Asaro, Recent Increase in High Tropical Cyclone Heat Potential Region in the Western North Pacific Ocean and the new Ocean Coupling Potential Intensity Index, 2014 Ocean Sciences Meeting, Honolulu, Hawaii, Feb. 23-28, 2014. [**Presenter, Session Chair & Convener: 112 - Tropical Cyclone-Ocean Interactions: from Weather to Climate**]
- I-I Lin** and Iam-Fei Pun, 'Category-6' typhoon Haiyan, Ocean Subsurface Warming, and Ocean Coupling Potential Intensity Index, 2014 年大氣科學學門研究成果發表會, Nantou County, Taiwan, Feb. 11-13, 2014.
- I-I Lin**, Typhoon-Ocean Interactions in the Western North Pacific and Neighbouring Seas – Recent Highlight, International mini-workshop on the western pacific marine biogeochemical environment variability, Japan, Feb. 3-4, 2014. [**Session Chair & Invited**]
- I-I Lin**, and I. F. Pun, P. Black, J. F. Price, C. Y. Yang, S. S. Chen, P. Harr, N. H. Chi, C. C. Wu and E. D'Asaro, An Ocean Coupling Potential Intensity Index for Tropical Cyclones, Conference on the East Asia and Western Pacific Meteorology and Climate cum Hong Kong Meteorological Society 25th Anniversary, Nov. 2-4, 2013.

I-I Lin, and C. Hu, Y. H. Li, T. Y. Ho, T. Fischer, C. W. Huang, J. Wu, A. Chu, G. T. F. Wong, D. S. Ko, and J. P. Chen, Fertilisation Potential of Volcanic Dust in Carbon Fixation and Climate Feedback in the Western North Pacific Subtropical Ocean, 2013 Mini-workshop on Air-Sea Interaction, Taipei, Taiwan, Oct. 29-31, 2013.

I-I Lin, and I. F. Pun, P. Black, J. F. Price, C. Y. Yang, S. S. Chen, P. Harr, N. H. Chi, C. C. Wu and E. D'Asaro, Recent increase in high heat content region in the western North Pacific and the new Ocean Coupling Potential Intensity Index, Fifth International Workshop on Monsoons (IWM-V), Macao, China, Oct. 28-Nov. 01, 2013. [**Presenter, Session Chair**]

I-I Lin, An Improved Index for Potential, Application of Regional Ocean Observations for Increasing Society's Understanding and Forecasting of Typhoons, Hangzhou, China, Oct. 22-24, 2013. [**Presenter, Organizing Committee**]

I-I Lin, and I. F. Pun, P. Black, J. F. Price, C. Y. Yang, S. S. Chen, P. Harr, N. H. Chi, C. C. Wu and E. D'Asaro, An Ocean Coupling Potential Intensity Index for Tropical Cyclones, 2013 APEC Typhoon Symposium, Taipei, Taiwan, Oct. 21-22, 2013.

I-I Lin, and I. F. Pun, P. Black, J. F. Price, C. Y. Yang, S. S. Chen, P. Harr, N. H. Chi, C. C. Wu and E. D'Asaro, Recent increase in high heat content region in the western North Pacific and the new Ocean Coupling Potential Intensity Index, 2013 兩岸颱風、季風與暴雨研究成果發表暨未來合作展望研討會, Taipei, Taiwan, Oct. 18-19, 2013.

I-I Lin, and I. F. Pun, P. Black, J. F. Price, C. Y. Yang, S. S. Chen, P. Harr, N. H. Chi, C. C. Wu and E. D'Asaro, Recent increase in high heat content region in the western North Pacific and the new Ocean Coupling Potential Intensity Index, Tropical Weather and Climate Dynamics (TWCD) Workshop, Hawaii, USA, Oct. 9-12, 2013.

J.-Y. Jhan and **I-I Lin**, Investigation of the Inter-annual Variability of Typhoon's Maximum Potential Intensity in the Western North Pacific Ocean, 6th COAA, Hong Kong, Aug. 19-21, 2013.(poster)

M.-L. Lam and **I-I Lin**, Investigation of ocean's barrier layer and warm ocean feature on tropical cyclone's intensity change, 6th COAA, Hong Kong, Aug. 19-21, 2013.(poster)

I-I Lin, and I. F. Pun, P. Black, J. F. Price, C. Y. Yang, S. S. Chen, P. Harr, N. H. Chi, C. C. Wu and E. D'Asaro, Recent increase in high heat content region in the western North Pacific and the new Ocean Coupling Potential Intensity Index, 6th COAA, Hong Kong, Aug. 19-21, 2013.

I-I Lin, and I. F. Pun, P. Black, J. F. Price, C. Y. Yang, S. S. Chen, P. Harr, N. H. Chi, C. C. Wu and E. D'Asaro, Recent increase in high heat content region in the western North Pacific and the new Ocean Coupling Potential Intensity Index, DACA-13 , Davos, Switzerland, Jul. 8-12, 2013.

I-I Lin, and I. F. Pun, P. Black, J. F. Price, C. Y. Yang, S. S. Chen, P. Harr, N. H. Chi, C. C. Wu and E. D'Asaro, Recent Increase in High Tropical Cyclone Heat Potential Region in the Western North Pacific Ocean and the new Ocean Coupling Potential Intensity Index, 12th East Asian Climate (EAC) Workshop, Busan, Korea, Jul. 1-3, 2013. [**Invited**]

Shu-Chih YANG, Kuan-Jen LIN, **I-I LIN**, Chun-Chi LIEN, Shu-Hua CHEN, A Regional Ensemble-based Assimilation System with Air-sea Interaction and Its Impact on Typhoon Prediction, AOGS 10th Annual Meeting, Brisbane, Australia, Jun. 24-28, 2013. [**Co-author, Session Chair and Convener: Tropical Cyclone-Ocean Interactions (AS03-OS02)]**

G. T. F. Wong and T. Y. Ho, F. K. Shiah, **I-I Lin**, Processes affecting the nutrient dynamics in the oligotrophic open South China Sea: An Over-view, AOGS 10th Annual Meeting, Brisbane, Australia, Jun. 24-28, 2013. [**Co-author, Session Co-convener: Controls on the Biogeochemistry of the Northwestern Pacific Ocean and its Adjacent Marginal Seas (BG08-OS19)]**

I-I Lin, and C. Hu, Y. H. Li, T. Y. Ho, T. Fischer, C. W. Huang, J. Wu, A. Chu, G. T. F. Wong, D. S. Ko, and J. P. Chen, Fertilisation Potential of Volcanic Dust in Carbon Fixation and Climate Feedback in the Western North Pacific Subtropical Ocean, AOGS 10th Annual Meeting, Brisbane, Australia, Jun. 24-28, 2013. [**Presenter, Session Co-convener: Controls on the Biogeochemistry of the Northwestern Pacific Ocean and its Adjacent Marginal Seas (BG08-OS19)]**

I-I Lin, and I. F. Pun, P. Black, J. F. Price, C. Y. Yang, S. S. Chen, P. Harr, N. H. Chi, C. C. Wu and E. D'Asaro, An Ocean Cooling Potential Intensity Index for Tropical Cyclones, AOGS 10th Annual Meeting, Brisbane, Australia, Jun. 24-28, 2013. [**Presenter, Session Chair and Convener: Tropical Cyclone-Ocean Interactions (AS03-OS02)]**

I-I Lin, and I. F. Pun, Recent Warming of the Western North Pacific Ocean and Typhoon-Ocean Interaction, 第五屆海峽論壇: 海峽兩岸海洋科技研討會, Xiamen, China, Jun. 14-16, 2013.

- I-I Lin**, P. Black, J. F. Price, S. S. Chen, P. A. Harr, E. D'Asaro, A New Ocean Coupling Potential Intensity Index for Tropical Cyclones , 第五屆海峽論壇: 海峽兩岸民生氣象論壇, Xiamen, China, Jun. 14-16, 2013.
- I-I Lin**, P. Black, J. F. Price, C. Y. Yang, S. S. Chen, N. H. Chi, P. A. Harr, C. C. Lien, E. D'Asaro, and C. C. Wu, An Ocean-Based Potential Intensity Index for Tropical Cyclones, JpGU Meeting 2013, Makuhari Messe, Japan, May. 19-24, 2013. [**Presenter, Session Co-convener: Toward Understanding of interactions between Tropical Cyclones (A-AS01), Invited**]
- I-I Lin**, and P. Black, J. F. Price, C. Y. Yang, S. S. Chen, N. H. Chi, P. A. Harr, C. C. Lien, E. D'Asaro, and C. C. Wu, An Ocean-Based Potential Intensity Index for Tropical Cyclones, 2013 年臺灣地球科學聯合學術研討會 Taiwan Geosciences Assembly (TGA), Taoyuan, Taiwan, May. 13-17, 2013. [**Presenter, Session Co-convener: Internal wave and Typhoon-Ocean interaction Project in the Western North Pacific and Neighboring Seas (A5-PO2)]**
- I-I Lin**, and P. Black, J. F. Price, C. Y. Yang, S. S. Chen, N. H. Chi, P. A. Harr, C. C. Lien, E. D'Asaro, and C. C. Wu, An Ocean-Based Potential Intensity Index for Tropical Cyclones, 17th Pacific-Asian Marginal Seas (PAMS), Hangzhou, China, Apr. 23-25, 2013. [**Co-convener, Invited**]
- I-I Lin**, and I. F. Pun, P. Black, J. F. Price, C. Y. Yang, S. S. Chen, P. Harr, N. H. Chi, C. C. Wu and E. D'Asaro, Recent Increase in High Tropical Cyclone Heat Potential Region in the Western North Pacific Ocean and the new Ocean Coupling Potential Intensity Index, 2nd CCliCS Workshop on Climate System Modeling 第二屆氣候變遷研究聯盟研討會, Academia Sinica, Taiwan, Apr. 1-3, 2013.
- I-I Lin**, and P. Black, J. F. Price, C. Y. Yang, S. S. Chen, N. H. Chi, P. A. Harr, C. C. Lien, E. D'Asaro, and C. C. Wu, ITOP-2010 大型國際颱風觀測實驗以及颱風最大潛在強度的新指標, 海峽兩岸西北太平洋熱帶波動與熱帶氣旋專家研討會, Hangzhou, China, Mar. 25-29, 2013.
- I-I Lin**, and P. Black, J. F. Price, C. Y. Yang, S. S. Chen, N. H. Chi, P. A. Harr, C. C. Lien, E. D'Asaro, and C. C. Wu, An Ocean-Based Potential Intensity Index for Tropical Cyclones, AMS Annual meeting, Austin, TX, USA, Jan. 6-10, 2013. (Oral)
- I-I Lin**, and C. Hu, Y. H. Li, T. Y. Ho, T. Fischer, C. W. Huang, J. Wu, A. Chu, G. T. F. Wong, D.

S. Ko, and J. P. Chen, Fertilisation Potential of Volcanic Dust in Carbon Fixation and Climate Feedback in the Western North Pacific Subtropical Ocean, AMS Annual meeting, Austin, TX, USA, Jan. 6-10, 2013. (Oral)

I-I Lin, P. Black, J. F. Price, C. Y. Yang, S. S. Chen, N. H. Chi, P. A. Harr, C. C. Lien, E. D'Asaro, and C. C. Wu, An Ocean-Based Potential Intensity Index for Tropical Cyclones, AGU Fall Meeting, San Francisco, USA, Dec. 3-7, 2012. [**Oral Session Chair:** Typhoon-Ocean Interactions in the Western North Pacific Ocean(OS34B) and **Poster Session Chair:** Typhoon-Ocean Interactions in the Western North Pacific Ocean(OS31F)]

I-I Lin, 東海及南海海氣環境的認知與展望,東海及南海環境與資源分析研討會, Taipei, Taiwan, Nov. 22, 2012

I-I Lin, Chun-Chi Lien, George T. F. Wong, Chih-Wei Huang, Phytoplankton blooms in the South China Sea and the Western North Pacific subtropical gyre as observed by multiple satellite sensors:impact of aerosol, typhoon, and volcano, SPIE Asia-Pacific Remote Sensing 2012, Kyoto, Japan, Oct. 29-Nov. 1, 2012.

I-I Lin, Chuanmin Hu, Yuan-Hui Li, Tung-Yuan Ho, Tobias Fischer, Chi-Wei Huang, Jingfeng Wu, D. Allen Chu, George T. F. Wong, Dong-San Ko, and Jen-Ping Chen, Phytoplankton Blooms in the Subtropical Western North Pacific Ocean – Impact of Typhoon and Volcanic Eruption, Open Science Symposium on Western Pacific Ocean Circulation and Climate 2012, Qingdao, China, Oct. 15-17, 2012. (poster, Session 5: WPO's role in and impacts on carbon cycle, biogeochemical process, acidification, ecosystem, paleo-oceanography, and so on)

I-I Lin, David Tang (Leader), Ya-Ting Chang, P. Black, J. F. Price, C.-Y. Yang, S. Chen, N.-H. Chi, P. Harr, C.-C. Lien, E. D'Asaro, and C.-C. Wu, Typhoon-Ocean Interaction in the Western North Pacific Ocean – Results from the ITOP (Impact of Typhoon on Pacific) Field Experiment 2010, Open Science Symposium on Western Pacific Ocean Circulation and Climate 2012, Qingdao, China, Oct. 15-17, 2012. (Oral, Session 4: Influences of WPO on regional (e.g., monsoon, typhoon, extreme climatic events) and global climate systems and their predictability)

I-I Lin, Iam-Fei Pun, and Min-Hui Lo, Rapid Increase of High Ocean Heat Content Regions in the Western North Pacific Ocean for Supertyphoons, 台大氣候變遷研討會, Taipei, Taiwan, Sep. 17-21, 2012.

I-I Lin, Typhoon-induced Phytoplankton Blooms and Primary Productivity Increase in the Western North Pacific Subtropical Ocean (西北太平洋亞熱帶海域颱風引起的藻華現象及初級生產力增加之系統化研究), 第九屆海峽兩岸海洋科學研討會, Fukien-Wuyishan, China, Aug. 31-Sep. 3, 2012.

I-I Lin, Chun-Chi Lien, George T. F. Wong, and Chi-Wei Huang, Phytoplankton blooms in the South China Sea and the Western North Pacific Subtropical Gyre as Observed by Multiple Satellite Sensors – Impact of Aerosol, Typhoon, and Volcano, Asia Oceania Geosciences Society 9th Annual General Meeting & AGU_2012 Western Pacific Geophysics Meeting (AOGS 2012 - AGU WPGM), Singapore, Aug. 13-17, 2012. (Poster, Asian Aerosols and Their Impacts on Regional and Global Climate, AS20)

I-I Lin, Typhoon-induced Phytoplankton Blooms and Primary Productivity Increase in the Western North Pacific Subtropical Ocean, Asia Oceania Geosciences Society 9th Annual General Meeting & AGU_2012 Western Pacific Geophysics Meeting (AOGS 2012 - AGU WPGM), Singapore, Aug. 13-17, 2012. [**Presenter, Session Convener**: Physical and Biogeochemical Interactions Between Tropical Cyclone and Ocean, OS-AS03]

I-I Lin, Chun-Chi Lien, George T. F. Wong, and Chi-Wei Huang, Phytoplankton blooms in the South China Sea and the Western North Pacific Subtropical Gyre as Observed by Multiple Satellite Sensors – Impact of Aerosol, Typhoon, and Volcano, International Geoscience and Remote Sensing Symposium - Remote Sensing for a Dynamic Earth (IGARSS 2012), Munich, Germany, Jul. 22-27, 2012. [**Session Chair and Invited**]

I-I Lin and Black, P. G., Ocean's impact on the intensity of three recent typhoons (Fanapi, Malakas, and Megi) – results from the ITOP field experiment, The International Conference on Earth Observations and Societal Impacts (ICEO-SI 2012), Taipei, Taiwan, Jun. 25-27, 2012. [**Presenter, Session Chair**: Weather/Climate II]

I-I Lin, Typhoon-induced Phytoplankton Blooms and Primary Productivity Increase in the Western North Pacific Subtropical Ocean, The 4rd International Workshop on Modeling the Ocean (IWMO-2012), Yokohama, Japan, May 21-24, 2012. [**Invited**]

I-I Lin, Typhoon-induced Phytoplankton Blooms and Primary Productivity Increase in the Western North Pacific Subtropical Ocean, Japan Geoscience Union (JGU) Meeting 2012, Narita, Japan, May 20-25, 2012. [**Presenter, Session Chair**: Typhoon-Ocean Interaction in the Western North Pacific Ocean and Neighbouring Seas]

I-I Lin, Tung-Yuan Ho, George Wong, Telu Yuan-Hui Li, Chuanmin Hu, Tobias Fischer, John Lin, Chi-Wei Huang, Meggie Lien, Fertilisation Potential of Volcanic Dust in Carbon Fixation and Climate Feedback in the Western North Pacific Subtropical Ocean, Surface Ocean - Lower Atmosphere Study (SOLAS) Open Science Conference, Washington State, USA, May 7-10, 2012. (poster and oral)

Discussion Session Co-convenor: Impact of Dust Ash on Ocean Productivity, Surface Ocean - Lower Atmosphere Study (SOLAS) Open Science Conference, Washington State, USA, May 7-10, 2012.

I-I Lin, Ocean's Impact on the Intensity of Three Recent Typhoons (Fanapi, Malakas, and Megi) – Results from the ITOP Field Experiment, AMS 30th Conference on Hurricanes and Tropical Meteorology, Ponte Vedra Beach, Florida, USA, Apr. 15-20, 2012.

I-I Lin, Chuanmin Hu, Yuan-Hui Li, Tung-Yuan Ho, Tobias Fischer, Chih-Wei Huang, Jingfeng Wu, D. Allen Chu, George T. F. Wong, Dong-San Ko, and Jen-Ping Chen, Fertilisation Potential of Volcanic Dust in the Low Nutrient Low Chlorophyll Western North Pacific Subtropical Gyre – Satellite Evidence and Laboratory Study, 2012 NSC_ocean science meeting, Kaohsiung, Taiwan, Apr. 10-11, 2012.

I-I Lin, David Tang (Leader), Ya-Ting Chang, Nan-Hsiung Chi, C. S. Chern, Shenn-yu Chao, Chung-Ru Ho, Chin-Chang Hong, Chih-Wei Huang, Sen Jan, Dong-Shan Ko, Nan-Jun Kuo, Yi-Chun Kuo, I-Huan Lee, Chun-Chi Lien, Ren-Chieh Lien, Barry Ma, Iam-Fei Pun, Y.L. Tsai, Joe Wang, Chun-Chieh Wu, Chao-Yuan Yang, ITOP Taiwan - an Overview, Impact of Typhoons in the Pacific (ITOP) Meeting, Kaohsiung, Taiwan, Mar. 26-28, 2012.

I-I Lin, Ocean's Impact on the Intensity of Three Recent Typhoons (Fanapi, Malakas, and Megi) - Results from the ITOP Field Experiment, 2012 AGU Ocean Sciences Meeting, Salt Lake City, Utah USA, Feb. 19-24, 2012. [**Oral Session Convener:** Air-Sea Interactions of Typhoons in the Western North Pacific Ocean and Neighboring Seas, 022]

I-I Lin, Ocean's Impact on the Intensity of Three Recent Typhoons (Fanapi, Malakas, and Megi) - Results from the ITOP Field Experiment, First Joint AMS-Asia Satellite Meteorology Conference, New Orleans, Louisiana, Jan. 22-26, 2012. [**Invited:** Presenting by Co-author]

I-I Lin, Chun-Chi Lien, Chau-Ron Wu, George T. F. Wong, Chih-Wei Huang, and Tzu-Ling Chiang, Enhanced Primary Production in the Oligotrophic South China Sea by Eddy Injection, 廈門大學學生凌峰論壇, Xiamen, China, Dec. 2, 2011. [**Invited**]

I-I Lin, Chun-Chi Lien, George T. F. Wong, and Chi-Wei Huang, Phytoplankton Blooms in the South China Sea and the Western North Pacific Subtropical Gyre as Observed by Multiple Satellite Sensors – Impact of Eddy, Aerosol, Typhoon, and Volcano, 32nd Asian Conference on Remote Sensing (ACRS 2011), Taipei, Taiwan, Oct. 3-7, 2011.

Chun-Chi Lien and **I-I Lin**, The Typhoon-Induced Biogeochemical Response in the Western North Pacific Ocean, 5th International SOLAS Summer School, Cargese, Corsica, France, Aug. 29-Sep. 10, 2011. (oral and poster)

Chih Hong Chen and **I-I Lin**, Inter-annual Variability of the Subsurface Ocean Thermal Structure in the Western North Pacific and the Associated Impact on Typhoon-Induced Cold Wake, Asia Oceania Geosciences Society 8th Annual General Meeting (AOGS 2011), Taipei, Taiwan, Aug. 8-12, 2011. (poster, Typhoon-Ocean Interaction in the Western North Pacific Ocean and Neighbouring Seas session, AS09-OS07)

Tzu-Chieh Hsia and **I-I Lin**, The Impact of Cold Oceanic Eddies on Typhoon Intensity Evolution in the Western North Pacific Ocean, Asia Oceania Geosciences Society 8th Annual General Meeting (AOGS 2011), Taipei, Taiwan, Aug. 8-12, 2011. (poster, Typhoon-Ocean Interaction in the Western North Pacific Ocean and Neighbouring Seas session, AS09-OS07)

Chun-Chi Lien and **I-I Lin**, The Typhoon-Induced Biogeochemical Response in the Western North Pacific Ocean, Asia Oceania Geosciences Society 8th Annual General Meeting (AOGS 2011), Taipei, Taiwan, Aug. 8-12, 2011. (poster, Typhoon-Ocean Interaction in the Western North Pacific Ocean and Neighbouring Seas session, AS09-OS07)

Iam-Fei Pun and **I-I Lin**, Eddy Identification and Variability in the South Eddy Zone of the Western North Pacific by Satellite Altimetry Observation for Typhoon Intensification Research, Asia Oceania Geosciences Society 8th Annual General Meeting (AOGS 2011), Taipei, Taiwan, Aug. 8-12, 2011. (Oral, Typhoon-Ocean Interaction in the Western North Pacific Ocean and Neighbouring Seas session, AS09-OS07)

I-I Lin, Chuanmin Hu, Yuan-Hui Li, Tung-Yuan Ho, Tobias Fischer, George T. F. Wong, Jingfeng Wu, Chih-Wei Huang, D. Allen Chu, Dong-San Ko, and Jen-Ping Chen, Fertilisation Potential of Volcanic Dust in the Low Nutrient Low Chlorophyll Western North Pacific Subtropical Gyre - Satellite Evidence and Laboratory Study, Asia Oceania Geosciences Society 8th Annual General Meeting (AOGS 2011), Taipei, Taiwan, Aug. 8-12, 2011.

[Presenter, Committee]

I-I Lin, Ocean's impact on the intensity of three recent typhoons (Fanapi, Malakas, and Megi) – Results from the ITOP field experiment, Asia Oceania Geosciences Society 8th Annual General Meeting (AOGS 2011), Taipei, Taiwan, Aug. 8-12, 2011. **[Presenter, Session Chair & Committee]**

I-I Lin, Ocean's impact on the intensity of three recent typhoons (Fanapi, Malakas, and Megi) – Results from the ITOP field experiment, Cross-Strait Workshop on Typhoon Impacts and Crisis Management (Typhoon 2011), Guangzhou, China, Jul. 27-31, 2011.

I-I Lin, Ocean's impact on the intensity of three recent typhoons (Fanapi, Malakas, and Megi) – Results from the ITOP field experiment, 2011 颱風國際研討會, Taipei, Taiwan, Jun. 23-24, 2011.

I-I Lin, Ocean's impact on the intensity of three recent typhoons (Fanapi, Malakas, and Megi) – Results from the ITOP field experiment, The 3rd International Workshop on Modeling the Ocean (IWMO-2011), Qingdao, China, Jun. 6-9, 2011.

Chun-Chi Lien and **I-I Lin**, Comparison of ocean's biogeochemical responses by super-typhoon Megi in the Western North Pacific Ocean and the South China Sea, experiment, ONR Code 322 – Impact of Typhoons in the Pacific (ITOP) Meeting, Santa Fe, USA, May 16-20, 2011.

Iam-Fei Pun and **I-I Lin**, Operational Satellite-Derived Upper Ocean Thermal Structure for the ITOP Field Experiment and Comparison with the ITOP's Observation, ONR Code 322 – Impact of Typhoons in the Pacific (ITOP) Meeting, Santa Fe, USA, May 16-20, 2011.

I-I Lin, Ocean's impact on the intensity of three recent typhoons (Fanapi, Malakas, and Megi) – Results from the ITOP field experiment, ONR Code 322 – Impact of Typhoons in the Pacific (ITOP) Meeting, Santa Fe, USA, May 16-20, 2011.

I-I Lin, Ocean's impact on the intensity of three recent typhoons (Fanapi, Malakas, and Megi) – Results from the ITOP field experiment, International Workshop on Tropical Cyclone-Ocean Interaction in the Northwest Pacific (TCOI), Jeju, South Korea, May 11-13, 2011.

[Invited]

Iam-Fei Pun and **I-I Lin**, Eddy identification and variability in the south eddy zone of the Western North Pacific by satellite altimetry observation for typhoon intensification research, The 16th Pacific-Asian Marginal Seas (PAMS) Meeting, Taipei, Taiwan, Apr. 21-23, 2011. (poster)

I-I Lin, Ocean's impact on the intensity of three recent typhoons (Fanapi, Malakas, and Megi) – Results from the ITOP field experiment, The 16th Pacific-Asian Marginal Seas (PAMS) Meeting, Taipei, Taiwan, Apr. 21-23, 2011. [**Presenter, Local Organization Committee and Session Chair**]

I-I Lin, Ocean's Impact on the Intensity of Three Recent Typhoons (Fanapi, Malakas, and Megi) – Results from the ITOP Field Experiment, 2011 NSC_ocean science meeting, Miaoli, Taiwan, Apr. 13-15, 2011.

I-I Lin, Chuanmin Hu, Yuan-Hui Li, Tung-Yuan Ho, Tobias Fischer, Chih-Wei Huang, Jingfeng Wu, D. Allen Chu, George T. F. Wong, Dong-San Ko, and Jen-Ping Chen, Fertilisation Potential of Volcanic Dust in the Low Nutrient Low Chlorophyll Western North Pacific Subtropical Gyre – Satellite Evidence and Laboratory Study, 2011 Climate Change and Ocean Carbon - Field Observation, Remote Sensing and Modeling - A Joint International Workshop of OCCOS and CHOICE-C, Xiamen, China, Apr. 3-5, 2011. [**Invited**]

I-I Lin, Chun-Chi Lien, Chau-Ron Wu, George T. F. Wong, Chih-Wei Huang, and Tzu-Ling Chiang, Enhanced Primary Production in the Oligotrophic South China Sea by Eddy Injection in Spring, Second International Conference on Global Change and the Environment in Asia and Pacific (GCEAP): Inland Waters and Coastal Environment, Hong Kong, Oct. 28-29, 2010. [**Invited**]

I-I Lin et al., Pre-condition, Ocean's Response, and the Intensification for the Three Recent Typhoons (Megi, Malakas, and Fanapi 2010), 2010 Pan Ocean Remote Sensing Conference (PORSEC), Keelung, Taiwan, Oct. 19-22, 2010.

I-I Lin, Chuanmin Hu, Yuan-Hui Li, Tung-Yuan Ho, Tobias Fischer, Chih-Wei Huang, Jingfeng Wu, D. Allen Chu, George T. F. Wong, Dong-San Ko, and Jen-Ping Chen, Fertilisation Potential of Volcanic Dust in the Low Nutrient Low Chlorophyll Western North Pacific Subtropical Gyre – Satellite Evidence and Laboratory Study, 2nd announcement of 2010 GEOTRACES Asia workshop, Taipei, Taiwan, Oct. 4-6, 2010.

I-I Lin, Chun-Chi Lien, Chau-Ron Wu, George T. F. Wong, Chi-Wei Huang, and Tzu-Ling Chiang, Enhanced Primary Production in the Oligotrophic South China Sea by Eddy Injection in Spring (春季渦流可使在營養不足的南中國海的浮游植物產量增加), 第八屆海峽兩岸海洋科學研討會, Hualien, Taiwan, Sep. 7-10, 2010. [**Invited**]

I-I Lin, Ocean Features, Rapid Intensification, and Supertyphoons – Satellite Observations and

Numerical Modelling, Symposium of the International Society for Photogrammetry and Remote Sensing, Kyoto, Japan, Aug. 9-12, 2010.

I-I Lin, Iam-Fei Pun, W. Timothy Liu, Chun-Chieh Wu, and Dong-San Ko, Upper Ocean Thermal Structure, Rapid Intensification, and Supercyclones – Satellite Observations and Numerical Simulations, The 5th International Ocean-Atmosphere Conference, Taipei, Taiwan, Jun. 28-30, 2010.

I-I Lin, Iam-Fei Pun, Chun-Chieh Wu, W. Timothy Liu, Ming-Dah Chou, and Rebecca Wu, Upper Ocean Pre-condition and Its Impact on Typhoons, The 5th International Ocean-Atmosphere Conference, Taipei, Taiwan, Jun. 28-30, 2010.

Nan-Hsun Chi and **I-I Lin**, Atmosphere and Ocean Pre-conditions of the Super Typhoon twins, Ivan and Joan 1997, AGU_2010 Western Pacific Geophysics Meeting, Taipei, Taiwan, Jun. 22-25, 2010. (poster)

Chao-Yuan Yang, **I-I Lin**, Chun-Chieh Wu, Shuyi S. Chen, and Sau-Nei Hui, Rapid intensification of the western North Pacific Supertyphoons, AGU_2010 Western Pacific Geophysics Meeting, Taipei, Taiwan, Jun. 22-25, 2010. (poster)

Iam-Fei Pun and **I-I Lin**, Variabilities of Ocean Eddies in the South Eddy Zone of the Western North Pacific for Typhoon Intensification Research, AGU_2010 Western Pacific Geophysics Meeting, Taipei, Taiwan, Jun. 22-25, 2010. (poster)

I-I Lin, Chi-Wei Huang, George T. F. Wong, Chun-Chi Lien, and Chuanmin Hu, Phytoplankton Blooms in the Oligotrophic Western North Pacific Subtropical Gyre Part I – Occurrences, AGU_2010 Western Pacific Geophysics Meeting, Taipei, Taiwan, Jun. 22-25, 2010.

I-I Lin, Gwo-Ching Gong, Kerry Emanuel, Jim Price, Chun-Chi Lien, Iam-Fei Pun, and Chun-Chieh Wu, Upper Ocean Thermal Structure of the East China Sea and Its Impact on Typhoon Intensity, AGU_2010 Western Pacific Geophysics Meeting, Taipei, Taiwan, Jun. 22-25, 2010.

Iam-Fei Pun and **I-I Lin**, Eddy variations in the Western North Pacific South Eddy Zone by Satellite Altimetry Observation for Typhoon Intensification Research, AMS 29th Conference on Hurricanes and Tropical Meteorology, Tucson, Arizona, USA, May 10-14, 2010. (poster)

I-I Lin, Gwo-Ching Gong, Kerry Emanuel, Jim Price, Benjamin Fong Chao, Chun-Chih Lien, Chun-Chieh Wu, and Iam-Fei Pun, Yangtze River, East China Sea, and Typhoons -

- Implications Associated with The Three Gorges Dam and South-to-North-Water Transfer Projects, AMS 29th Conference on Hurricanes and Tropical Meteorology, Tucson, Arizona, USA, May 10-14, 2010.
- I-I Lin**, Iam-Fei Pun, Chun-Chieh Wu, W. Timothy Liu, Ming-Dah Chou, and Rebecca Wu, Upper Ocean Pre-condition and Its Impact on Typhoons, NSC_ocean science meeting, Sun Link Sea, Taiwan, Mar. 31-Apr. 2, 2010.
- I-I Lin**, Iam-Fei Pun, Chun-Chieh Wu, W. Timothy Liu, Ming-Dah Chou, and Rebecca Wu, Upper Ocean Pre-condition and Its Impact on Typhoons, 2010 莫拉克颱風國際研討會, Taipei, Taiwan, Mar. 24-25, 2010. **[Invited]**
- I-I Lin**, Phytoplankton Blooms in the Western North Pacific Subtropical Gyre - A Remote Sensing Approach, 2010 海峽兩岸遙測/遙感研討會, Jhongli, Taiwan, Mar. 15-19, 2010.
- I-I Lin**, Upper Ocean Thermal Structure, Rapid Intensification, and Supercyclones - Satellite Observations and Numerical Simulations, 2010 海峽兩岸遙測/遙感研討會, Jhongli, Taiwan, Mar. 15-19, 2010.
- Iam-Fei Pun and **I-I Lin**, Eddy variations in the Western North Pacific South Eddy Zone by Satellite Altimetry Observation for Typhoon Intensification Research, 2010 AGU Ocean Sciences Meeting, Portland, Oregon, Feb. 22-26, 2010. (poster)
- Oral Session Chairs:** 2010 AGU Ocean Sciences Meeting, Session Title: Typhoon-Ocean Interactions in the Western North Pacific Ocean and Neighboring Seas I, Portland, Oregon, Feb. 22-26, 2010.
- Poster Session Chairs:** 2010 AGU Ocean Sciences Meeting, Session Title: Typhoon-Ocean Interactions in the Western North Pacific Ocean and Neighboring Seas III Posters, Portland, Oregon, Feb. 22-26, 2010.
- I-I Lin**, Upper Ocean Thermal Structure, Rapid Intensification, and Supercyclones, 2010 AGU Ocean Sciences Meeting, Portland, Oregon, USA, Feb. 22-26, 2010. **[Invited]**
- I-I Lin**, Upper Ocean Thermal Structure of the East China Sea and Its Impact on Typhoon Intensity, 2010 AGU Ocean Sciences Meeting, Portland, Oregon, USA, Feb. 22-26, 2010.
- I-I Lin**, Two air-sea interaction examples related to China-Supertyphoon Saomai (2006) and aerosol input to the South China Sea, 海峽兩岸亞洲地區城市化及其環境、氣候影響學術研討會, Taipei, Taiwan, Jan. 19, 2010. **[Invited]**
- I-I Lin**, 由衛星看南海, 東沙海洋環境保育研討會, Kaohsiung, Taiwan, Dec. 19, 2009.

[Invited]

I-I Lin, Typhoon Ocean Interactions, ITOP Joint Workshop, Taichung, Taiwan, Nov. 16-19, 2009. Gustavo Goni, Mark DeMaria, John Knaff, Charles Sampson, Jim Price, Avichal Mehra, Isaac Ginis, **I-I Lin**, Paul Sandery, Silvana Ramos-Buarque, M. M. Ali, KiRyong Kang, Francis Bringas, Sim Aberson, Rick Lumpkin, George Halliwell, Chris Lauer, Eric Chassignet, Peter Black, Alberto Mavume, Yi Yin, Peter Niiler, The ocean observing system for tropical cyclone intensification forecasts and studies, OceanObs, Venice, Italy, Sep. 21-25, 2009.

I-I Lin, Upper Ocean Thermal Structure, Rapid Intensification, and Supertyphoons, Asia Oceania Geosciences Society 6th Annual General Meeting, Suntec, Singapore, Aug. 11-15, 2009.

[Invited]

I-I Lin, Phytoplankton Blooms in the Western North Pacific Subtropical Gyre – A Remote Sensing Approach, Asia Oceania Geosciences Society 6th Annual General Meeting, Suntec, Singapore, Aug. 11-15, 2009. **[Invited]**

Iam-Fei Pun and **I-I Lin**, Investigation of upper ocean thermal structure in the western North Pacific for Typhoon Intensity Research using in situ and Satellite altimetry observations, The University Allied Workshop (UAW) on Climate and Environmental Changes, Seoul, South Korea, Jun. 22-24, 2009.

Chih-Wei Huang and **I-I Lin**, Satellite observation of aerosol-induced biogeochemical response in the western North Pacific Ocean and neighbouring seas, The University Allied Workshop (UAW) on Climate and Environmental Changes, Seoul, South Korea, Jun. 22-24, 2009.

I-I Lin, Upper Ocean Thermal Structure, Rapid Intensification, and Supertyphoons, International Workshop on Tropical Cyclone-Ocean Interaction in the Northwest Pacific, Jeju, South Korea, Apr. 27-29, 2009. **[Invited]**

I-I Lin, Upper Ocean Thermal Structure, Rapid Intensification, and Supertyphoons, Workshop on Modeling the Ocean: Dynamics, Syntheses and Predictions, Taipei, Taiwan, Feb. 23-27, 2009.

I-I Lin, Upper ocean thermal structure, rapid intensification, and supertyphoons, International Workshop on Advanced Typhoon and Flood Research, Taipei, Taiwan, Dec. 18-19, 2008.

Gustavo Goni, Mark DeMaria, John Knaff, Charles Sampson, Isaac Ginis, Francis Bringas, Alberto Mavume, Chris Lauer, **I-I Lin**, M. M. Ali, Paul Sandery, Silvana Ramos-Buarque,

- KiRyong Kang, Avichal Mehra, Eric Chassignet, and George Halliwell, Applications of satellite-derived ocean measurements to tropical cyclone intensity forecasting, GODAE Final Symposium, Nice, Palais des Congrès Acropolis, France, Nov. 12-15 2008.
- I-I Lin**, Supertyphoon Boosters in The Western North Pacific Ocean, Asia Oceania Geosciences Society 5th Annual General Meeting, Busan, South Korea, Jun. 16-20, 2008. **[Invited]**
- I-I Lin**, Aerosol Input to the South China Sea: Results from Multi-Satellite Observations, Asia Oceania Geosciences Society 5th Annual General Meeting, Busan, South Korea, Jun. 16-20, 2008.
- I-I Lin**, A Fresh Look at Ocean's Part of Necessary Conditions in Supertyphoon's Intensification, AMS 28th Conference on Hurricanes and Tropical Meteorology, Orlando, FL, USA, Apr. 28-May 2, 2008.
- Iam-Fei Pun, **I-I Lin**, Chau-Ron Wu, Dong-Shan Ko, and W. Timothy Liu, Validation of Altimetry-Derived Upper Ocean Thermal Structure in the Western North Pacific Ocean for Typhoon Intensity Forecast, AMS 28th Conference on Hurricanes and Tropical Meteorology, Orlando, FL, USA, Apr. 28-May 2, 2008.
- I-I Lin**, Supertyphoon Boosters in The Western North Pacific Ocean, 2008 AGU Ocean Sciences Meeting, Orlando, FL, Mar. 2-7, 2008. **[Invited]**
- I-I Lin**, Upper Ocean Thermal Structure & The Western North Pacific Supertyphoons.1st International Summit on Hurricanes and Climate Change, Knossos Royal Village, Hersonissos, Greece, May, 2007.
- I-I Lin**, Oases in an Ocean Desert, Surface Ocean Lower Atmosphere Study (SOLAS) Open Science Conference, Xiamen, China, Mar., 2007.
- I-I Lin**, Supertyphoon Boosters in the Western North Pacific Ocean, International Symposium Remote Sensing (ISRS) 2006 PORSEC, South Korea, Nov., 2006. **[Invited]**
- I-I Lin**, Chun-Chieh Wu, and Iam-Fei Pun, Super Cyclone Boosters in the Northwest Pacific Ocean, AMS 27th Conference on Hurricanes and Tropical Meteorology, Monterey, California, USA, Apr., 2006.
- I-I Lin**, Supertyphoon Boosters in the Western North Pacific Ocean, IEEE International Geoscience and Remote Sensing Symposium, Seoul, South Korea, Jul., 2005. **[Invited]**
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I-I Lin, Liang-Saw Wen, Kon-Kee Liu, Wu-Ting Tsai, and Antony K. Liu, Evidence and quantification of the correlation between radar backscatter and ocean colour supported by simultaneously acquired in situ sea truth, Proceedings Of Fifth APEC OMISAR Workshop on Small Satellite Station Technology, Taipei, Taiwan, Nov., 2001.

I-I Lin and L. S. Wen, Near real time monitoring of tropical upwelling and river plume-a multiple sensor approach, Proceedings of International Geoscience And Remote Sensing Symposium (IGARSS'2001), Sydney, Australia, Jul., 2001. **[Invited]**

I-I Lin, W. Timothy Liu, Kon-Kee Liu, Y. Yong, and George Wong, Observations of upper ocean responses to typhoons by multiple remote sensing, 區域性颱風氣候研討會, Taipei, Taiwan, 2001.

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I-I Lin, Tropical algal bloom monitoring by sea truth, spectral, and simulated satellite data, Proceedings of COAA 2000/ Second International Ocean and Atmosphere Conference, Taipei, Taiwan, Jul., 2000.

I-I Lin and L.S.Wen, Near real time monitoring of Taiwan coastal waters-a multiple sensor approach, Proceedings of Asian Conference on Remote Sensing, Taipei, Taiwan, 2000.

I-I Lin, Soo Chin Liew, Hock Lim, Leong Keong Kwoh, Michael Holmes, Serena Teo, Siong Teck Koh, and Karina Gin, Classification of tropical algal bloom types by sea truth spectral-radiometric data, Proceedings of Asian Conference on Remote Sensing, Hong Kong, 1999.

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I-I Lin, 'Category- 6' Supertyphoon Haiyan (2013) and Global Warming Hiatus - 2 Sides of the Same Coin, Peking University, China, Jun. 21, 2015.

I-I Lin, 'Category-6' Supertyphoon Haiyan (2013), Decadal Ocean Subsurface Warming, and Ocean Coupling Potential Intensity Index, Workshop on Numerical Prediction of Tropical Cyclones, Scripps Institution of Oceanography, UC San Diego, Apr. 1, 2014.

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I-I Lin, Typhoon-Ocean Interaction in the Western North Pacific Ocean, Disaster Prevention Research Institute, University of Kyoto, Kyoto, Japan, Nov. 1, 2012.

I-I Lin, Part 1: Typhoon-Ocean Interaction in the Western North Pacific Ocean: Review and Outlook ; Part 2: Aerosol-Ocean Biogeochemical Interactions and Carbon fixation in the Western N. Pacific, Atmospheric Science Department, University of Washington, Seattle, USA, May 11, 2012.

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Talks / Seminars in Taiwan (國內受邀演講)

I-I Lin, Tropical Cyclone-Ocean Interaction and Aerosol-Ocean Interaction-My Adventure, (中華民國氣象學會會員大會新科會士專題演講), 台南-國立成功大學, Mar. 10, 2018

I-I Lin, Air-sea Interaction, 2016 TIMS Symposium on Environmental Flows, 台北-國立臺灣大學數學研究中心, Jun. 14, 2016

I-I Lin, 'Category -6' typhoon Haiyan, ocean subsurface warming, and typhoon-ocean interactions (for Kyoto University Delegation), 台北-國立台灣大學大氣科學系, Mar 10, 2014.

I-I Lin, 跳上阿拉丁的魔毯看地球 & My Story (臺北市女性科學研習營), 臺北市立成功高中, Oct. 24, 2013

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- the Western North Pacific and Neighbouring Seas, 台北-國立台灣大學海洋研究所, Jan. 4, 2013
- I-I Lin**, Volcano and Typhoon - Ocean Interaction in the Low Nutrient Low Chlorophyll Western North Pacific Ocean Desert, 高雄-國立中山大學海洋地質及化學研究所, Nov. 7, 2012
- I-I Lin**, Synergy of Multiple Remote Sensing for Air-Sea Physical and Biogeochemical Interaction Research, 中壢-國立中央大學太空及遙測研究中心, Dec. 28, 2011.
- I-I Lin**, 跳上阿拉丁的魔毯看地球(週末講座), 台南-中央氣象局台灣南區氣象中心, Dec. 17, 2011
- I-I Lin**, 海洋遙測實例(大專生通識研習), 高雄-國立高雄師範大學, Mar. 16, 2011.
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- I-I Lin**, Enhanced Primary Production in the Oligotrophic South China Sea by Eddy Injection in Spring, 基隆-國立台灣海洋大學海洋環境化學與生態研究所, Sep., 2010.
- I-I Lin**, Oases in an ocean desert, 南港-中央研究院環境變遷研究中心, Jun. 17, 2010
- I-I Lin**, Western North Pacific and East China Sea as Complex Oceans for Typhoons, 台北-中國文化大學大氣科學系, Jun. 10, 2010.
- I-I Lin**, Upper Ocean Thermal Structure, Rapid Intensification, and Supertyphoons - Satellite Observations and Numerical Simulations, 中壢-國立中央大學水文與海洋科學研究所, May 25, 2010.
- I-I Lin**, Two air-sea interaction examples related to China-Supertyphoon Saomai (2006) and aerosol input to the South China Sea, 南港-中央研究院環境變遷研究中心, Jan. 2010.
- I-I Lin**, Oases in an Ocean Desert & Supertyphoon Boosters in the Western North Pacific Ocean, 台北-國立台灣大學大氣科學系, Dec. 29, 2009

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I-I Lin, Oases in an Ocean Desert, 高雄-國立中山大學海洋地質及化學研究所, Oct. 2007.

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I-I Lin, 超級颱風梅米與海洋渦旋(北一女高瞻計畫教師衛星遙測訓練營), 台北-國立台灣大學大氣科學系, Nov. 2006.

I-I Lin, 海洋衛星遙測與黑潮(黑潮暑期學分班), 基隆-國立台灣海洋大學海洋環境化學與生態研究所, Sep. 2006.

I-I Lin, Synergy of Multiple Remote Sensing for Typhoon-Ocean Interaction, 新竹-交通大學應用數學系, Jan. 2006.

I-I Lin, Synergy of Advanced Multiple Remote Sensing for Air-Sea Interaction Research, 台北-中央氣象局氣象科技研究中心, Jan. 2006.

I-I Lin, Typhoon-Ocean Interaction by Satellite Remote Sensing, 南港-中央研究院應用科學中心, Dec. 2005.

I-I Lin, Super typhoon Boosters in the Northwest Pacific Ocean, 中壢-國立中央大學太空及遙測研究中心, May 2005.

I-I Lin, A recent assessment of aerosol's biogeochemical impact in Asian waters, 南港-中央研究院環變中心, Apr. 2005.

C. Degree papers (學位論文)

I-I Lin, Spatial texture of visible and radar imagery of terrestrial ice masses, University of Cambridge, UK, March 1995.

D. Others (其他含 Technical reports)

林依依, 跳上阿拉丁的魔毯看地球, 科學研習月刊, No.51-5, p19-27, May 2012.

I-I Lin, 臺大新生入門書院[愛習一點靈]讀書方法及學思歷程 (2010.9.9) , National Taiwan University Newsletter, Vol. 1093, Taipei, Taiwan, May 23, 2012.

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(p. 61-81, 87-94). The contribution of I-I Lin in this annual report is found in sections:

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I-I Lin, Hock Lim, Victor Khoo, Michael Holmes, Serena Teo, Siong Teck Koh, and Karina Gin, Calibration and validation of the ADEOS ocean color and temperature scanner (OCTS) and its application in the early detection of red tide in South East Asia, Final report for the Joint NASDA (National Space Development Agency of Japan) - UN ESCAP (United Nation Economic and Social Commission for Asia and the Pacific) Research Project entitled 'National Capacity Building For Sustainable Environment And Natural Resources Management Through Research And Studies On The Uses Of *ADEOS Data*, 2 volumes, 400 pages, 1998.

Related figures

Link_pdf: https://homepage.ntu.edu.tw/~iilin/20240314_Related_figures.pdf

Professional Services Outside NTU (校外服務--限學術性)：

單位/項目	擔任職務 (position)	起迄年月 (Time)	獎勵
國立陽明交通大學-經典通識教育講座 超級颱風、海洋與全球暖化- My Adventure	講員	2023.12.27	
Academia Sinica	External Reviewer	2023.05-06	
台灣傑出女科學家獎	遴選委員	2023.05	
臺北市立大學理學院-遇見大師講座 Alice's Adventures in the Wonderland: My God and My Science	講員	2023.04.14	
遠東福音會: Alice's adventure in the wonderland	講員	2023.03.24	
國科會資安女婕思活動分享人	講員	2023.02.10	
「高中女生科學教育巡迴活動」(由教 育部國教署、財團法人吳健雄學術基金 會、台灣萊雅公司等單位辦理)	講員	2022.12.03	
台北市地球科學學科平台-教師研習: 熱帶氣旋—海洋交互作用：天氣、氣候 與全球暖化	講員	2022.11.22	
臺灣科學節-大師有約講座: 女力與努力：破解超級颱風的秘密	講員	2022.11.05	
2022 戴運軌地科科學營	講員	2022.08.16	
UN/GOOS (United Nations/Global Ocean Observing System)-Tropical Cyclones Ocean Observations and Forecasts Exemplar Steering Committee	Steering Committee Member	2022.04-	
Univ. of New South Wales (UNSW) Sydney, Australia	Examiner	2021.12- 2022.01	
理工女孩站出來-理工生命學科分享與 傳承座談 (國中女學生「STEM 學科分享與傳承座 談會」)	講員	2021. 12.02	

Lamont-Doherty Earth Observatory, Columbia Univ., USA	Reviewer	2021.11-12	
國立海洋科技博物館「2021 海洋女力崛起」專題線上講座: Satellite, Typhoon, Ocean, and Global Warming - My Adventure	講員	2021.10.30	
科技部 2020 秋季「展望」系列演講講座: 颱風、海洋，和氣候—小心，'姚明'來了！	講員	2020.10.23	
中華民國地球科學學會	理事、教育推廣委員會委員	2017.03.10-2020.03.09	
【科普一傳十】海洋解密直播互動節目第二集：海洋與天氣	主題講師	2017.06.07	
中華民國海洋學會	理事	2014.11-	
「2014 年臺灣國際科學展覽會」出國代表輔導教授。(指導北一女中數理資優班學生陳郁欣 Yu-Hsin Chen 赴美國參加英特爾國際科學展 IntelR International Science and Engineering Fair (Intel ISEF) 榮獲「Intel ISEF 2014 Grand Award Winners」: European Union Contest for Young Scientists, Earth & Planetary Sciences Intel ISEF Best of Category Award of \$5,000 & First Award of \$3,000 ; 「Intel ISEF 2014 Special Award」: American Meteorological Society, Third Award of \$500 共四項大獎、International Astronomical Union: Minor Planet Center 特將第 31336 小行星以她的名子命名，名為 Chenyuhsin)	輔導教授	2014.02-05	
國家太空中心中程計畫審查會	委員	2014.01-	
Speaker: 6th International SOLAS Summer School (Remote sensing I, II)	Speaker	2013.08.23-2013.09.02	
廈門市重大科技計畫專案：區域海氣耦合模式在海峽災害性天氣預報中的應用研究。	Advisor (專案專家)	2013.06-	
國際地圈生物圈計畫科學委員會中華民國	委員	2013.02.18-	

國委員會第十三屆		2014.10.31	
國家實驗研究院台灣海洋科技研究中心 第三屆	諮詢委員	2013-2014	
行政院國家科學委員會 2013 年自然科學發展處海洋學門	諮議委員	2013.01.01-	
北一女中 101 學年度高二數理資優班學生專題研究(陳郁欣獲「第 53 屆全國中小學科學展覽會」大會獎高中組地球科學科第一名、臺北市 102 年度中等學校學生科學研究獎助計畫一等獎、2014 年臺灣國際科學展覽會-地球與行星科學科一等獎)	指導教授	2012.04.05	
北一女中 101 學年度高二數理資優班學生專題研究(獲「臺北市第 46 屆中小學科學展覽會」特優)	指導教授	2012.04.05-	
國立臺灣師範大學地球科學所 100 學年度博士班考試及資格審查委員會	委員	2011	
國立台灣大學海洋研究所 100 學年度博士班考試及資格審查委員會委員	委員	2011	
中央氣象局台灣南區氣象中心週末講座：跳上阿拉丁的魔毯看地球	講員	2011.12.17	
「2010 全國女性科學家會議」成果巡迴展北一女中開幕式	講員	2011.12.08	
高雄師範大學一大專生通識研習演講：海洋遙測實例	講員	2011.03.16	
基隆海洋大學一大專生遙測研習演講：衛星遙測在海氣物生地化交互作用的應用	講員	2011.03.14	
財團法人地球科學文教基金會-國高中教師專題演講： Synergy of Multiple Advanced Remote Sensing for Air-Sea Interaction Research	講員	2011.01.04	
社團法人中華民國歷屆十大傑出女青年協會--第 19 次擴大知的領域活動專題演講	講員	2010.11.16	
- 北一女中 98 學年度第 2 學期「認識大學學院科系及選組準備」輔導課程	講員	2010.04.27	
2008 海洋科學與生物科技女性科學家學	講員	2008.10.27	

術暨職涯發展研討會			
2008 華岡地學國際學術研討會	講員	2008.10.26	
<p>北一女中高瞻計畫</p> <ul style="list-style-type: none"> - 指導教授：代表台灣大學，協助北一女執行國科會高瞻計畫。 - 協助翻譯及編寫一系列遙測相關新教材，如：遙測背景知識-衛星遙測應用、大氣、水圈、地圈、生物圈、冰圈、地球系統等。 <p>於 2007.01 舉辦教師遙測冬令集訓營，多位北一女老師，至台大大氣系上課，學習衛星遙測新的知識。</p>	指導教授	2006-2008	
教育部黑潮暑期學分班授課教授	授課教授	2006.09	
Science	Reviewer (國外)	至今	
Nature	Reviewer (國外)	至今	
Nature Climate Change	Reviewer (國外)	至今	
Nature Geoscience	Reviewer (國外)	2013 年至今	
Nature Communications	Reviewer (國外)	至今	
Bulletin of the American Meteorological Society (BAMS)	Reviewer (國外)	至今	
Journal of Climate	Reviewer (國外)	至今	
Journal of Geophysical Research – Atmosphere (JGR-Atmosphere)	Reviewer (國外)	2013 年至今	
Journal of Geophysical Research – Oceans (JGR Oceans)	Reviewer (國外)	2005 年至今	
Journal of Geophysical Research – Biogeosciences (JGR-Biogeosciences)	Reviewer (國外)	2013 年至今	
Geophysical Research Letters (GRL)	Reviewer (國外)	2003 年至今	
IEEE Transactions on Geoscience and Remote Sensing (IEEE TGARS)	Reviewer (國外)	1998 年至今	

Journal of Physical Oceanography (JPO)	Reviewer (國外)	至今	
Limnology and Oceanography (L&O)	Reviewer (國外)	2007 年至今	
Monthly Weather Review (MWR)	Reviewer (國外)	2009 年至今	
Ocean Modelling	Reviewer (國外)	至今	
Ocean Science (OS)	Reviewer (國外)	2009 年至今	
Progress in Oceanography (PO)	Reviewer (國外)	2010 年至今	
Dynamics of Atmospheres and Oceans	Reviewer (國外)	2013 年至今	
Biogeosciences (BG)	Reviewer (國外)	2011 年至今	
Journal of Marine Science and Technology (JMST)	Reviewer (國外)	至今	
Journal of the Meteorological Society of Japan (JMSJ)	Reviewer (國外)	至今	
Journal of Oceanography (JO)	Reviewer (國外)	至今	
Climate dynamics	Reviewer (國外)	至今	
International Journal of Climatology	Reviewer (國外)	至今	
Quarterly Journal of the Royal Meteorological Society	Reviewer (國外)	至今	
Deep-Sea Research Part I	Reviewer (國外)	至今	
Boundary-Layer Meteorology	Reviewer (國外)	至今	
Nature Scientific Reports	Reviewer (國外)	至今	
Terrestrial, Atmospheric and Oceanic Sciences (TAO)	Reviewer (國內)	2000 年至今	
國科會自然處大氣學門	Reviewer (國內)	2001 年至今	

國科會自然處海洋學門	Reviewer (國內)	2001 年至今	
國科會永續會	Reviewer (國內)	2001 年至今	
國家太空計畫室(NSPO)	Reviewer (國內)	2000 年至今	
航測及遙測學刊	Reviewer (國內)	2000 年至今	
大氣科學期刊	Reviewer (國內)	2000 年至今	
海洋科學研究中心資料庫	諮詢委員	2001.08- 2005.07	



2007.01 北一女高瞻計畫，教師遙測冬令集訓營照片 (Satellite training programme and winter camp for teachers from the First Girls' High)



北一女高瞻計畫至北一女跟學生講習照片。(Outreach to high school students)



2012.04 北一女中科學數理資優班地科專題研究討論會議。(First Girls' High advisor of earth science research)