

| HONOR

Congrats to Excellent Female Scientists

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At the 18th Taiwan Outstanding Women in Science Awards in 2025, National Taiwan University (NTU) proudly celebrated its members who were duly honored. Prof. Wan-Jiun Liao, Executive Vice President of NTU and Distinguished Professor of the Department of Electrical Engineering and Graduate Institute of Communication Engineering, received the event's highest honor—the Outstanding Award. Meanwhile, Prof. Yen-Ting Hwang, Professor of the Department and Graduate Institute of Atmospheric Sciences, was named a recipient of the Rising Star Award, as was Prof. Hsiang-Yi Yang, Associate Professor at the Department of Physics and Institute of Astronomy at National Tsing Hua University, who is also an NTU alumna.

Pioneering the Future of Communications: Prof. Wan-Jiun Liao

Prof. Liao is widely recognized as one of Taiwan's trailblazers in the field of communication networks. Her research spans wireless networks, multimedia communications, intelligent edge computing, and vehicular networks. Significantly, she has led innovations in multi-user remote immersive experiences through 5G/6G edge computing, enhancing synchronization and reducing latency while minimizing network resource consumption. Her work has drawn international attention, including an invitation to contribute to the 6G white paper by the EU 6G Flagship Expert Team, reflecting her global impact on next-generation network technologies.

"It was diligence that led me to discover my passion, and that passion transformed into commitment," Prof. Liao reflects. She encourages students to believe in themselves and pursue their dreams boldly: "Give yourself more chances—you may be surprised by the future you create." As the first female professor in NTU's Department of Electrical Engineering, she firmly believes that gender is never a barrier—what matters most is discovering your passion and direction.

Decoding Climate Dynamics: Prof. Yen-Ting Hwang

Prof. Hwang specializes in climate dynamics, using high-performance computing to simulate interactions between the atmosphere and oceans that shape global climate. One of her most important findings reveals that cloud biases in the Southern Ocean can, through teleconnection mechanisms, influence tropical rainfall patterns—a discovery that has prompted climate modeling centers to reexamine the Southern Ocean's role in the global climate system.



NTU Executive Vice President and Distinguished Professor of Electrical Engineering Wan-Jiun Liao (right) and Prof. Yen-Ting Hwang of the Department of Atmospheric Sciences (left), recipients of the Outstanding Award and Rising Star Award, respectively, at the 18th Taiwan Outstanding Women in Science Awards in 2025.



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“Scientists don’t need to be geniuses or possess endless inspiration,” she said. “Research is often one question leading to the next. Only when you look back on years of effort do you realize how far you’ve come—growing together with the field itself.”

Noting that some women are more prone to experience impostor syndrome, she often encourages her students not to let imaginary doubts hold them back. She believes that every time we face a decision, we should courageously choose what we love most—that’s the best way to discover the right path and kindred collaborators.

Shaping the Universe: Prof. Hsiang-Yi Yang

Also receiving the Rising Star Award, NTU alumna Prof. Hsiang-Yi Yang, who teaches at National Tsing Hua University, is specialized in black hole physics and galaxy evolution. Through advanced computational simulations, she investigates complex interactions among astrophysical mechanisms, including how black hole jets influence the formation and transformation of galaxies and galaxy clusters.

The NTU community takes tremendous pride in the research excellence and dedication of its award-winning faculty. Their achievements not only push the boundaries of knowledge but also serve as powerful inspirations for the next generation of scientists.

About the Award

The Taiwan Outstanding Women in Science Awards were jointly established in 2007 by L’Oréal Taiwan and the Wu Chien-Shiung Education Foundation. Often referred to as “Taiwan’s Nobel Prize for Women,” the awards honor outstanding female scientists, setting role models that instill courage and ambition in young women pursuing science, while promoting gender equality and diversity in the scientific community.