

## Professor Shu-Ping Lin

Department of Electronics and Electrical Engineering, National Yang Ming Chiao Tung University, Taiwan  
[splin1@nycu.edu.tw](mailto:splin1@nycu.edu.tw)

ORCID: 0000-0001-5169-0361

(<https://orcid.org/0000-0001-5169-0361>)

Lab: Bioelectronics & Interfaces Laboratory

Lab website: <https://bioelecinterfacelab.wixsite.com/home>



Dr. Shu-Ping (Vivian) Lin is a Full Professor in the Department of Electronics and Electrical Engineering at National Yang Ming Chiao Tung University (NYCU), Taiwan, and the Principal Investigator of the Bioelectronics & Interfaces Laboratory. Since 2026, she has led interdisciplinary research at the interface of electronics, biology, and materials science. She is an active member of the international research community and has received numerous honors recognizing her academic and research excellence, including the Outstanding Female Researcher Award from Corning Incorporated (2024, 2025), the Distinguished Research Article Award (2025) and Distinguished Research Award (2024) from the Association of Chemical Sensors in Taiwan, the 20th Macronix Golden Silicon Award (2020), as well as multiple awards from international conferences and the National Science and Technology Council (NSTC).

Her core expertise lies in the design and physics of two-dimensional floating-gate field-effect transistors, with a particular focus on integrating neuromorphic functionalities into solid-state devices. Her research bridges device physics and biophysics, aiming to map complex biological functions, such as learning, memory, and sensory adaptation, onto solid-state electronic platforms. Moreover, her research interests encompass bioelectronics and biosensors for point-of-care diagnostics, neuromorphic devices, smart wearable technologies, and nano-/micro-scale surface and interface engineering.

Further details on her research activities and publications are available at the Bioelectronics & Interfaces Laboratory website:

<https://bioelecinterfacelab.wixsite.com/home>

### Research interests

- Neuromorphic devices and systems
- Nano- and micro-bioelectronics
- Biosensors and point-of-care diagnostics
- Smart sensing for wearable devices and robotics
- Nano-/micro-scale surface and interface engineering