

2026 NCTS Workshop on

Modeling and Analysis of Ion Transport, Fluid Dynamics and Related Topics

Date: 2026/08/26-27

Venue: R515, Cosmology Bldg., NTU

Invited Speakers

John Meng-Kai Hong

National Central University

Chia-Yu Hsieh

Sun Yat-sen University

Bo-Chih Huang

National Chung Cheng University

Yongting Huang

Harbin Institute of Technology

Chun Liu

Illinois Institute of Technology

Min-Jhe Lu

National Tsing Hua University

Jhih-Hong Lyu

National Taiwan University

Yong Yu

The Chinese University of Hong Kong



Contact

Peggy Lee (peggylee@ncts.tw)

Aim & Scope

The workshop brings together researchers in nonlinear PDEs, applied analysis, and mathematical modeling of transport and fluid phenomena. Topics include ionic fluids, Poisson-Nernst-Planck and reaction-diffusion systems, complex, compressible, and kinetic flows, conservation laws, and free-boundary problems in mathematical biology. By placing these diverse problems in dialogue, the workshop seeks to facilitate exchange on shared analytical structures and emerging challenges, while encouraging new collaborations across applied mathematics.

Organizers

Tai-Chia Lin

National Taiwan University

Min-Jhe Lu

National Tsing Hua University