

**ONLINE**

**The 9<sup>th</sup> International Summer Course on Nano Material Discovery  
“Electronics Materials”**

**June 27-29, 2022**

**Center for Emergent Functional Matter Science (CEFMS)  
Department of Applied Chemistry (DAC)  
National Yang Ming Chiao Tung University (NYCU)**

**Organizers**

**Jiun-Tai Chen, Yen-Ju Cheng, Hsin-Yun Hsu, Ian Liao,  
Hiroshi Masuhara, Teruki Sugiyama, Chien-Lung Wang**

**Honorary Organizers**

**Chain-Shu Hsu, Yuan-Pern Lee, Yaw-Kuen Li**

# Program

## June 27, Monday

9:45~10:00

Opening Remark: Chain-Shu Hsu (CEFMS Dean, NYCU)

General Guidance: Hiroshi Masuhara (DAC, NYCU)

1<sup>st</sup> Session: Chairperson, Chien-Lung Wang (DAC, NYCU)

10:00~12:00

Riichiro Shirota (Distinguished Prof., NYCU)

“Semiconductor memory and its application for AI”

2<sup>nd</sup> Session: Chairperson, Yuan-Pern Lee (DAC, NYCU)

13:00~15:00

Chun-Liang Lin (DEP, NYCU)

“Defect identification in 2D materials and devices”

3<sup>rd</sup> Session; Chairperson, Yaw-Kuen Li (DAC, NYCU)

15:30~17:30

Masahito Oh-e (CCMS, NTHU)

“Quest for deep-blue phosphorescence for OLEDs”

## June 28, Tuesday

4<sup>th</sup> Session; Chairperson, Ian Liao (DAC, NYCU)

9:00~10:30

Atsushi Yabushita (DEP, NYCU)

“Initial electronic dynamics visualized by ultrashort pulse laser”

11:00~12:30

Koji Hatanaka (AS)

“Spatio-temporal control of electron dynamics”

5<sup>th</sup> Session; Chairperson, Hsin-Yun Hsu (DAC, NYCU)

13:30~15:00

Chun-Yen Liu (MSE, NCKU)

“Synthesis and fabrication of biomedical materials”

15:30-17:00

Toyoko Imae (NTUST)

“Catalytic characteristics of metal nanostructures”

**June 29, Wednesday**

6<sup>th</sup> Session; Chairperson, Yen-Ju Cheng (DAC, NYCU)

10:00~12:00

Michitoshi Hayashi (CCMS, NTU),

“Terahertz vibrational spectroscopy of periodic materials”

7<sup>th</sup> Session Chairperson, Teruki Sugiyama (DAC, NYCU)

13:00~15:00

Takehiko Kitamori (NTHU)

“Microfluidic and nanofluidic devices”

8<sup>th</sup> Session; Chairperson, Jiun-Tai Chen (DAC, NYCU)

15:30~17:00

Hiroshi Watanabe (DECE, NYCU)

“How can chip technology realize electronic sensing of viruses?”

17:00~17:10

Closing Remark: Shu-Pao Wu (DEC Dean, NYCU)