

## 2023 Structured Laser and Matter – Program

June 16, 2023 (Friday)			
9:20 – 09:45		Workshop Registration	
9:50 – 10:00		Opening Remarks <b>Yung-Fu Chen</b> (group photo)	
Microfabrication with vortex laser	10:00 – 10:40	Invited Talk: <b>Takashige Omatsu</b> , Chiba U. Nano/micro fabrication with light fields possessing angular momentum	
	10:40 – 11:20	Invited Talk: <b>Kenichi Yuyama</b> , Osaka Metro. U. Formation and manipulation of liquid microdroplets by optical forces	
	11:20 – 12:00	Invited Talk: <b>Kyoko Masui</b> , Osaka Metro. U. Microstructure fabrication of metal nanoparticle/polymer composite assisted by two-photon polymerization	
12:10 -- 13:30		Lunch	
12:10 -- 13:30		Poster Setup	
Structured light & 2D materials	13:40 – 14:20	Invited Talk: <b>Yit-Tsong Chen</b> , NYCU/NTU Nanomaterial-based optoelectronic devices for light emission and photo detection	
	14:20 – 15:00	Invited Talk: <b>Shun-Jen Cheng</b> , EP, NYCU Light-matter interactions between twisted lights and excitons in 2D materials	
	15:00 -- 15:40		Coffee Break
	15:20 -- 16:00		Poster session – students award competition
	16:00 – 16:40	Invited Talk: <b>Ting-Hua Lu</b> , NTNU Structured light- 2D materials interaction: Exploring their optical properties	
	16:40 – 17:20	Invited Talk: <b>Yann-Wen Lan</b> , NTNU Twisted light interacts with nanomaterial transistor - electrical properties	
		Poster Remove	

June 17, 2023 (Saturday)			
	08:40 – 09:00	Workshop Registration	
Nanophotonics & Trapping	09:00 – 09:40	Invited Talk: <b>Atsushi Taguchi</b> , Hokkaido U. Inverse photonic design as a tool for structured light science	
	09:40 – 10:00	Invited Talk: <b>Hao-Tse Su</b> , AC, NYCU Optical trapping-induced enantioselectivity switch in chiral crystallization of NaClO <sub>3</sub> using gold nanoparticles	
	10:00 – 10:20	Invited Talk: <b>Po-Wei Yi</b> , AC, NYCU Multilayer assembly formation of lysozyme at solution surface by optical trapping of gold nanoparticle	
	10:20 – 10:40	Invited Talk: <b>Chih-Hao Huang</b> , AC, NYCU Dynamically evolving assembly of gold nanoparticles formed by optical trapping at glass/solution interface	
	10:40 – 11:10	Coffee Break	
High-order structured laser	11:10 – 11:30	Invited Talk: <b>Min-Xiang Hsieh</b> , EP, NYCU Gaussian beam formation for variety laser pattern	
	11:30 – 11:50	Invited Talk: <b>Jung-Chen Tung</b> , NTUT Structured laser modes	
	11:50 – 12:10	Invited Talk: <b>Pi-Hui Tuang</b> , CCU Stable pulsed operation of Lissajous structured beams by a passively Q-switched concave-convex resonator	
	12:10 – 12:20	Closing Remarks	
	12:30-13:50	Lunch	
Excursion	14:00 – 16:30	Lab – medical laser system 14:00-14:20	Center Lab and National Lab Visiting
		Lab – personal healthcare 14:20-14:40	
		Transportation	
		Taiwan Space Agency (TASA) 15:10-16:10	
		Transportation	