

The 27th JUACEP Workshop

2021 Outbound Course & 2022 Summer Research Course

Date & time:

10:00~12:00
August 26,
2022

Venue:

Lecture room
IB013
(Ground floor, IB)



The participants will deliver presentations (10mins. + Q&A 4mins.) based on the research experience at NU or UCLA.

10:00 - 10:05 Opening address

10:05 - 10:20 (1) Hiromu KOYAMA
"Analysis of Energy Capture Efficiency of Bottom Hinged Oscillating Wave Surge Convertors" Advisor: Assoc. Prof. Tomoaki Nakamura, Civil and Environmental Engineering

10:20 - 10:35 (2) Jacob McKIBBIN
"Molecular dynamics simulations of hydrogenated amorphous silicon using machine learning potential" Advisor: Prof. Ryoji Asahi, Institute of Innovation for Future Society

10:35 - 10:50 (3) George LI
"Performance Characterization of Half Flux Quantum and Single Flux Quantum-based Digital Logic" Advisor: Prof. Akira Fujimaki, Electrical Engineering, Electronics, and Information Engineering

10:50 - 11:00 Break

11:00 - 11:15 (4) David KOMOROWICZ
"Reconstructing Lost Buildings from Historical Imagery" Advisor: Prof. Toshiaki Fujii, Electrical Engineering, Electronics, and Information Engineering

11:15 - 11:30 (5) Diksan MUHAMMAD
"Investigation of the effect of arrangement of multiple jets by computational fluid dynamics" Advisor: Prof. Yasumasa Ito, Electrical Engineering, Global 30 Automotive Engineering

11:30 - 11:45 (6) Yusuke TERAJ
"Bio-sample droplet evaporation with LASER irradiation to induce salt precipitation aside and improve SERS throughput" Advisor at NU: Prof. Noritsugu Umehara, Micro-NanoMechanical Science and Engineering

11:45 - 12:00 Overall discussion and closing remarks



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