

Intensive Workshop (9:00-10:00, 10:50-11:50, 13:00-13:40) Room #403

“How can our research contribute to the society?” This is the topic of the session.

In this workshop, young researchers from various fields studying in the graduate school will present their research theme focusing on social contribution. Anyone is welcome to join this session and to discuss with the presenters.

9:00-9:20 System grid-connected inverter with bi-directional power flow experimental simulation with battery storage
Noranugerahatul Akmal Binti Abdul Malek and Goro Fujita

9:20-9:40 Detection of learner’s concentration in distance learning system
Kimario Nizetha Daniel and Eiji Kamioka

9:40-10:00 Evaluation of DC power distribution system in commercial building : Social Significance
Pradita Octoviandiningrum Hadi and Goro Fujita

Coffee Break

10:50-11:10 A preliminary surveying of effect of colors in pictogram instruction with Japanese-speaking subjects
Suopor Hiranchiracheep and Atsuko Yamazaki

11:10-11:30 Paralinguistic speech visualization in animated texts
Nur Syafikah Binti Samsudin and Kazunori Mano

11:30-11:50 Graph-type classification with neural networks using coefficients and discrete Fourier transformation
Sarunya Kanjanawattana and Masaomi Kimura

Lunch

13:00-13:20 Robotic hand exoskeleton with active control system for early post stroke rehabilitation
Mohd Nor Azmi Ab Patar, Takashi Komeda, Cheng Yee Low, and Jamaluddin Mahmud

13:20-13:40 Battery model for electric vehicles basing on Moore-Penrose pseudoinverse
Kai Phuc Nguyen, Goro Fujita, Souta Kanesaka, and Jun Terui