

Track C (Jan 19)

Time	Paper No.	Title	Author(s)
Session: ThuC1 - Instrumentation and Smart Agriculture			
Chair: Kanjanapan Sukvichai			
Co-Chair: Sudchai Boonto			
10:00-10:15	1570848803	A Design and Development of a Pneumatic Shock Calibration Machine	Krit Jiamjiroch; Thira Jearsiripongkul; Dahmmaet Bunnjaweht; Patchayaporn Doungkum; Somthana Panyadilok; Adisorn Tongkum
10:15-10:30	1570851110	The Development of Low-Cost Dry Electrode Using PDMS/CNT Composite	Jongsook Sanguantrakul; Apit Hemakom; Pasin Israsena
10:30-10:45	1570847348	Development of a Tomato Fruit Anomalies Detector for a Small Greenhouse Drone Application	Sittiporn Tantiborirak; Kanjanapan Sukvichai; Chanunya Loraksa
10:45-11:00	1570847736	Implementation of a Monocular ORB SLAM for an Indoor Agricultural Drone	Kanjanapan Sukvichai; Noppanut Thongton; Kan Yajai
11:00-11:15	1570848575	An Investigation of Surface Temperature Effect on Estrus Detection of Dairy Cows Using Supervised Learning	Phongcharn Wongvivatvaitaya; Rardchawadee Silapunt; Sudchai Boonto
Session: ThuC2 - Control Theory, Automation and Control Applications			
Chair: Benjamas Panomruttanarua			
Co-Chair: Witthawas Ponavart			
13:00-13:15	1570828455	Intelligent Sliding Mode Control of Active Power Filter Using Extended State Observer	Juntao Fei
13:15-13:30	1570837163	A Gradient Descent Method for Optimal Batch-To-Batch Control of Unknown Linear Systems	Yuanqiang Zhou; Xiopeng Tang; Furong Gao; Xin Lai; Dewei Li; Weiguo Ma
13:30-13:45	1570842861	Three-Phase Inverter Using Robust Tracking Control Based Interpolation	Vichet Huy; Heng Tang; Panha Soth; Socheat Yay; kakada Sovan; Chivon Choeung
13:45-14:00	1570843802	Object Classification by Spectrogram Analysis of Impact Force Response Using Convolution Neural Network	Krittapart Rattanasuwan; Chowarit Mitsantisuk
14:00-14:15	1570849794	On the Modeling and Simulation of a Saturated SIR Epidemic Model with Joint Vaccination of Newborns and Susceptible Subpopulations	Manuel de la Sen
Session: ThuC3 - Power Control and Energy Systems			
Chair: Komsan Hongesombut			
Co-Chair: Wanchak Lenwari			
14:45-15:00	1570844025	The Electricity Generation from Rice Flour Wastewater by a Single Chamber Microbial Fuel Cell in Continuous Mode Operation	Sarawut Suphannarach; Dusit Thanapatay; Nattakarn Prasertsung
15:00-15:15	1570844041	Modeling Li-Ion Battery Using MATLAB	Tanapon Yutthanava
15:15-15:30	1570848417	Linear Matrix Inequality-Based Optimal State Feedback Control of a Three-Phase L-Filtered Grid-Connected Inverter	Chivon Choeung; Heng Tang; Panha Soth; Sothim Keo; Phearit Leang; Horchhong Cheng; Sarot Srang; Vichet Huy
15:30-15:45	1570850904	Modeling and Analysis of 300 MW Photovoltaic System Using ETAP	Mehrauz Rehmat; Arsalan Ansari; Maqsood-ur-Rehman Rehman