

SCIENTIFIC PROGRAM

Day 2 : Friday, 10 July 2026						
Room: Sapphire 1 Sapphire 2 Sapphire 3 Jasper 1 Jasper 2 3 rd floor	9:00 a.m.– 10:45 a.m.	Parallel sessions (5 rooms)				
		Sapphire 1 (iEE)	Sapphire 2 (iEE)	Sapphire 3 (iSS)	Jasper 1 (iSS)	Jasper 2 (iEE)
		1571284816 1571274871 1571275188 1571275801 1571275979 1571291231	1571282938 1571283051 1571284150 1571285062 1571285192 1571285484 1571294424	iSS2026-06 iSS2026-13 iSS2026-14 iSS2026-30 iSS2026-32 iSS2026-39 iSS2026-23	iSS2026-17 iSS2026-34 iSS2026-35 iSS2026-38 iSS2026-40 iSS2026-57 iSS2026-58	
	10:45 a.m.– 11:00 a.m.	Coffee Break				
Room: Sapphire 1 Sapphire 2 Sapphire 3 Jasper 1 Jasper 2 3 rd floor	11:00 a.m.– 12:00 p.m.	Sapphire 1 (iEE)	Sapphire 2 (iEE)	Sapphire 3 (iSS)	Jasper 1 (iMM)	Jasper 2 (iEE)
		1571282174 1571285128 1571294458 1571294461	1571276025 1571285083 1571285151 1571268667	iSS2026-05 iSS2026-19 iSS2026-22 iSS2026-52	iSS2026-11 iSS2026-41 iSS2026-44	1571275458 1571275460 1571284395 1571293747
	12.00 p.m.– 1.15 p.m.	Lunch Break				
Room: Sapphire 1 Sapphire 2 Sapphire 3 Jasper 1 Jasper 2 3 rd floor	1.15 p.m.– 3.00 p.m.	Sapphire 1 (iEE)	Sapphire 2 (iEE)	Sapphire 3 (iSS)	Jasper 1 (iMM)	Jasper 2 (iEE)
		1571276630 1571279709 1571280556 1571281135 1571293288 1571284166 1571283168	1571286035 1571286362 1571286429 1571291640 1571292069	iSS2026-15 iSS2026-20 iSS2026-24 iSS2026-37 iSS2026-56 iSS2026-21	iSS2026-03 iSS2026-04 iSS2026-55	1571312535 1571294005 1571316664 1571294571 1571272574 1571316667 1571312533

**** Oral Presentation 15 min (12 min presentation + 3 min Q&A) ****

Sapphire 1

Innovative Electricals and Electronics (iEE)

Chair: Asst.Prof.Dr.Siranee Nuchitprasitchai

Time	Paper ID	Title	Authors
9:00-9:15 a.m.	1571284816	Hybrid Linear Programming and Artificial Bee Colony Algorithm for Multi-Objective Scheduling on Unrelated Parallel Machines with Preemption	Naritsak Tuntitippawan, Teeradej Wuttiornpun, Watcharapan Sukkerd, Kusol Pimapunsri, Vichai Rungreunganun and Sathaporn Suriyan
9:15-9:30 a.m.	1571274871	Deep Convolutional Neural Network for Aromatic Coconut Maturity Classification	Wanthanee Prachuabsupakij, Khanista Namee, Noppadon Boonkuson, Supaporn Simcharoen, Karn Na Sritha and Supeeti Kulchan
9:30-9:45 a.m.	1571275188	Comparative Evaluation of YOLO Architectures for Aromatic Coconut Detection	Wanthanee Prachuabsupakij, Khanista Namee, Somchai Chiengpongpan, Pitpimon Choorod, Siwalai Chinchua and Sarayoot Tanessakulwattana
9:45-10:00 a.m.	1571275801	AI for Enhancing Publicist Competency	Chutipa Sukpolsawat, Nawarat Pinamnaj, Panita Chobtamkit and Worapoom Saengkaew
10:00-10:15 a.m.	1571275979	Human-AI Co-Design for KSEC Teacher Competencies	Panita Chobtamkit, Chutipa Sukpolsawat, Nawarat Pinamnaj, Kridsanapong Lertbumroongchai and Chawanida Suwanich
10:15-10:30 a.m.	1571291231	Supervised Learning for Thai Vocabulary Difficulty Grading for Chinese Learners	MINQI LIU, Siranee Nuchitprasitchai and Kanchana Viriyapant

Innovative Electricals and Electronics (iEE)

Chair: Asst.Prof.Dr.Tanaporn Pechrkool

Time	Paper ID	Title	Authors
11:00-11:15 a.m.	1571282174	Increasing Angular Resolution of MUSIC Algorithm with Virtual Array Signal	Raungrong Suleesathira
11:15-11:30 a.m.	1571285128	Non-destructive Classification of Fruit Ripeness Development Utilizing FFT for Feature Extraction and Machine Learning	Manot Mapato, Anurak Choosri, Kroekpon Hanarsa, Chanatip Orathaiwan, Polapong Nawapongpipat and Natdanai Gojarnsri
11:30-11:45 a.m.	1571294458	A Lightweight Inception-Based Deep Learning Model for Lower Limb Motion Recognition Using sEMG and IMU Signals	Sakorn Mekruksavanich, Wikanda Phaphan and Anuchit Jitpattanakul
11:45 a.m. - 12:00 p.m.	1571294461	Deep Learning Approaches for Detecting Personal Protection Equipment Usages Using IMU Wearable Sensors	Sakorn Mekruksavanich, Wikanda Phaphan and Anuchit Jitpattanakul

Sapphire 1

Innovative Electricals and Electronics (iEE) Chair: Asst.Prof.Dr.Nathaporn Utakrit			
Time	Paper ID	Title	Authors
1:15-1:30 p.m.	1571276630	Optimizing Service Allocation in Healthcare Applications: A Hybrid Approach to Caregiver-Patient Matching	Apisit Rattanatanurak, Kittinan Okoun, Naphat Mansorn and Pavarit Vanijkachorn
1:30-1:45 p.m.	1571279709	Deep Learning for Ovarian Tumor Detection in Ultrasound Images	Phanarin Peakbut, Papimon Phaijitrojjana, Thidarat Wangkham, Yada Tingthanatikul and Nonpawith Phoommanee
1:45-2:00 p.m.	1571280556	A Mobile Application for Food Calorie Detection and Analysis using Real-time Image Recognition and Barcode Scanning	Choopan Rattanapoka, Wachiraporn Kaewnoo, Kanokpich Kosamet and Prasertsak Tiawongsombat
2:00-2:15 p.m.	1571281135	Computational Modeling for Overtime Decision in Job Shop Scheduling	Jaramporn Hassamontr
2:15-2:30 p.m.	1571293288	Design and Development of a CubeSat On-Board Computer for Mission Control and Ground Communication	Chanathip Yodkhuang, Phutawan Chanrueng, Tapanawat Muangsri, Phongsatorn Saisutjarit and Danucha Prasertsom
2:30-2:45 p.m.	1571284166	Adaptive Swarm Intelligence Based Control for Cardiac Pacemaker Systems: A Biomedical Simulation Study	Phong Thanh Tran, Cuong Kien Nguyen and Tuan Van Huynh
2:45-3:00 p.m.	1571283168	A Multi-Criteria Decision-Making Framework for Prioritizing Outbound Logistics Automation in Thailand's Aquatic Animal Feed Manufacturing Sector	Kittichai Athikulrat and Boonlert Wongcharoensangsiri

Sapphire 2

Innovative Electricals and Electronics (iEE)

Chair: Asst.Prof.Dr.Maleerat Maliyaem

Time	Paper ID	Title	Authors
9:00-9:15 a.m.	1571282938	Multi-User RAG Chatbot Platform with Channel and Document Management: A Systematic Component Selection Study for Thai-English Mixed-Language Document QA	Rachata Phetcharat, Titipon Kaorobtham and Choopan Rattanapoka
9:15-9:30 a.m.	1571283051	A Privacy-Preserving Course Score Reporting System via LINE Bot: Design, Implementation, and Evaluation in Thai Higher Education	Siriluk Phuengrod and Choopan Rattanapoka
9:30-9:45 a.m.	1571284150	An Automated Point Cloud Colorization Pipeline for Enhancing 3D Web-Based Bathymetric Visualization of Reservoir Topography	Thannicha Sompan and Nikorn Sutthisangiam
9:45-10:00 a.m.	1571285062	Data-Driven Modeling of User Perception in Virtual Reality Environments Using Factor Analysis and Regression	Jeremy Lovendianto, FX Teddy Badai Samodra, Sri Nastiti Nugrahani Ekasiwi, Audrey Tara Dianagri and Evan Gamaliel Hafiz
10:00-10:15 a.m.	1571285192	A LoRaWAN-Enabled System for Real-Time SpO ₂ , Heart rate and Skin Temperature Tracking	Manot Mapato, Worachet Pethaisong, Natdanai Gojarnsri, Srirapat Phonmanee, Penpayom Leelaprasobchok and Anurak Choosri
10:15-10:30 a.m.	1571285484	A Hybrid Kernel–LSTM Framework for Multi-Horizon Cryptocurrency Price Prediction	Yi Liu, Jantima Polpinij, Samruan Wiangsamut, Vuttichai Vichianchai, Jatuphum Juanchaiyaphum and Thananchai Khamket
10:30-10:45 a.m.	1571294424	Metrological Comparison of Handheld Speed Radar in Thailand Using Traceable Reference Systems Based on High-Accuracy GPS and Radar	Nirucha Suthipitak, Athirach Thongboon and Pratchyanon Sang-ong3

Innovative Electricals and Electronics (iEE)

Chair: Dr.Pubet Sangmahamad

Time	Paper ID	Title	Authors
11:00-11:15 a.m.	1571276025	Design of a Self-Starting Boost Converter Operating at 100–200 mV for Bioenergy Harvesting from Microbial Fuel Cells	Parit Thimthong and Asst. Prof. Dusit Thanapatay
11:15-11:30 a.m.	1571285083	Energy Threshold Analysis for High-Voltage Electrical Weed Control Considering Soil Impedance Effects	Manot Mapato, Anurak Choosri, Natadanai Gojarnsri, Polapong Nawapongpipat, Worachet Pethaisong and Chanatip Orathaiwan
11:30-11:45 a.m.	1571285151	Feasibility of inerter-integrated pantographs for road and rail electrification systems	Supakorn Suttidarachai and Pathawee Kunakorn-ong
11:45 a.m. - 12:00 p.m.	1571268667	Model and Analysis of Electric Freight Vehicle Transportation Planning with Charging Stations	Kasin Ransikarbum, Jirawan Niemsakul, Sermping Niemsakul, Jettarat Janmontree and Hartmut Zadek

Sapphire 2

Innovative Electricals and Electronics (iEE)

Chair: Asst.Prof.Dr.Tanapon Jentsuttiwetchakul

Time	Paper ID	Title	Authors
1:15-1:30 p.m.	1571286035	Meaningful Transparency for Adaptive AI: A Tiered Disclosure Standard for Thailand Systems	Siwat Tantikul
1:30-1:45 p.m.	1571286362	Improving Depth Estimation in Mirror Scenes with Minecraft Synthetic Data and Contextual Refinement	Pakorn Maneeputtananon, Siravit Danuthai and Tanaphong Chaichana
1:45-2:00 p.m.	1571286429	An Android application for visually impaired people to identify medicinal herbs	Lutfun Nahar, Liu Jintao and Miftahul Jannat Mim
2:00-2:15 p.m.	1571291640	Data Analytics for Priority Dispatching Rule Performances in Job Shop Scheduling	Jaramporn Hassamontr
2:15-2:30 p.m.	1571292069	Step-Specific and Unified AI Co-Pilot for Manual Assembly Verification in Smart Manufacturing on Low Performance Hardware	Benchaporn Jantarakongkul, Kawinphop Suwatwisutthikhun, Prawit Boonmee, Ponlawat Chophuk, Chalermpan Fongsamut and Prajaks Jitngernmadan

Sapphire 3

Innovative Sustainable Sciences (iSS) :

Chair: Asst.Prof.Dr. Sak Sittichompoo

Co-Chair: Dr.Teerapong Iamcheerangkoon

Time	Paper ID	Title	Authors
9:00-9:15 a.m.	iSS2026-06	Multi-Criteria Decision Analysis for Prioritizing Hydrogen Refueling Station Location Criteria Using the Bayesian Best–Worst Method	Kasin Ransikarbum, Jettarat Janmontree, Hartmut Zadek, Jirawan Niemsakul and Sermpong Niemsakul
9:15-9:30 a.m.	iSS2026-13	The Development of Waste Heat Recovery Technology for Diesel Engine Applications: A Preliminary Study of Thermoelectric Generator	Nyayu Aisyah, Sugiyanto Sugiyanto, Harwin Saptoadi, Hifni Mukhtar Ariyadi and Agus Riyanto
9:30-9:45 a.m.	iSS2026-14	Adsorption of Toluidine Blue Dye by Modified Chitosan Beads	Suranee Anothairungrat and Kowit Piyamongkala
9:45-10:00 a.m.	iSS2026-30	Ammonia as a replacement for R134a in air-source heat pump water heater systems: A comparative thermodynamic analysis	Hifni Mukhtar Ariyadi, Wahyu Hayatullah, Arianto Rifki Dwi Mukti, Syaiful Tambah Putra Ahmad and Nyayu Aisyah
10:00-10:15 a.m.	iSS2026-32	Energy and Exergy Analysis of a Transversely Corrugated Roughened Solar Absorber Integrated with a Flat Heat Pipe for a Sand-Based Thermal Energy Storage System under Charging and Discharging Conditions	Khridsadakhon Booddachan, Surachet Sichamnan, Yulong Ding, Yongliang Li, Jittimon Wongs, Nipon Bhuwakietkumjohn, Sanjeeva Witharana and Thanya Parametthanuwat
10:15-10:30 a.m.	iSS2026-39	Influence of Dynamic Multi-Color Light Patterns on Algal-Bacterial Systems Performance for Carbon and Nitrogen Removal	Keerthi Katam, Marttin Gundupalli Paulraj, Riya Thota, Mohan Marumudi1, Atthasit Tawai, and Debraj Bhattacharyya
10:30-10:45 a.m.	iSS2026-23	Implementation of TREES Standards in the Faculty of Business Administration and Service Industry for Green Building Assessment and Carbon Emission Reduction	Supeeti Kulchan, Montri Kawsuk, Prahuschai Ramart, Suporn Nookhong and Thanutyot Somjai

Innovative Sustainable Sciences (iSS)

Chair: Asst.Prof.Dr. Chonlakarn Wongkhorsub

Co-Chair: Dr.Teerapong Iamcheerangkoon

Time	Paper ID	Title	Authors
11:00-11:15 a.m.	iSS2026-05	The Impact of Microbial Diversity Loss on Biohydrogen Production	Mohammed Abdullahi, Mohammed Jibrin Ndejiko and Zaharah Ibrahim
11:15-11:30 a.m.	iSS2026-19	Optimisation of Performance and Emissions of a SI Engine Operated with H ₂ -Gasohol E20 Blends Using Response Surface Methodology.	Patchanee Bunjaroen, Tanapat Prodkornburee, Sak Sittichompoo and Kampanart Theinnoi
11:30-11:45 a.m.	iSS2026-22	Modelling and Validation of Performance Characteristics and Emission Reduction in GDI Engine using Port Water Injection	Tanapat Prodkornburee, Punya Promhuad, Tawatchai Wongchang and Sak Sittichompoo
11:45 a.m. - 12:00 p.m.	iSS2026-52	The Influence of Ammonia Port Injection on Combustion Dynamics and Particulate Matter Properties in a Gasoline Direct Injection Engine	Pokpong Arsa, Boonlue Sawatmongkhon, Chiewcharn Haoharn, Thawatchai Wongchang and Kampanart Theinnoi

Sapphire 3

Innovative Sustainable Sciences (iSS)

Chair: Dr. Punya Promhuad

Co-Chair: Asst.Prof.Dr. Sak Sittichompoo

Time	Paper ID	Title	Authors
1:15-1:30 p.m.	iSS2026-15	Physical and Thermal Properties of Oleogels prepared from Rice Bran Oil and Sesame Oil	Yapichcha Sangkamjan, Wanticha Savedboworn, Ratchanee Charoen, Chanthima Phungamngoen and Sunee Eadmusik
1:30-1:45 p.m.	iSS2026-20	Methyl Orange and Surfactants Interactions in Mixed Solvent Media: UV-Visible Spectroscopic Analysis	Chandradip Kumar Yadav, Jasana Maharjan, Yog Prakash Yadav and Ajaya Bhattarai
1:45-2:00 p.m.	iSS2026-24	STUDY OF ANTI-CORROSION PROPERTIES OF BRIJ-35 SURFACTANT ON STEEL SURFACE IN HYDROCHLORIC ACID MEDIA	Randhir Kumar Jha ¹ , Chandradip Kumar Yadav, Manoj Adhikari ¹ , Madhab Gautam and Ajaya Bhattarai
2:00-2:15 p.m.	iSS2026-37	Evaluation of Phytochemical Profiles and Antioxidant Capacities of Crude Extracts from Various Parts of Nelumbo nucifera	Natanon Naranan, Pakkawat Detchewa, Wichien Sriwichai and Patcharee Prasajak
2:15-2:30 p.m.	iSS2026-56	Optimization of Acid-Based Deep Eutectic Solvent Pretreatment for Selective Fractionation of Rice Straw	Rhea Prabish, Parneet Kaur Grewal, Nawaz Alam Faruquee, Suksun Amornraksa, Martin Paulraj Gundupalli and Sathish Paulraj Gundupalli
2:30-2:45 p.m.	iSS2026-21	Micellization and Interaction Behavior of Saponin with CPC in Mixed Solvent Media via Conductivity Method	Jasana Maharjan, Nootan Prasad Bhattarai, Chandradip Kumar Yadav and Ajaya Bhattarai

Jasper 1

Innovative Sustainable Sciences (iSS) Chair: Asst.Prof.Dr. Chonlakarn Wongkhorsub Co-Chair: Dr. Punya Promhuad			
Time	Paper ID	Title	Authors
9:00-9:15 a.m.	iSS2026-17	Economic profitability of the production and use of rapid compost by small producers in the REDSAACC intervention area	Yahoussa Gambo and Abdoul Habou Zakari
9:15-9:30 a.m.	iSS2026-34	Evaluating Perceived Environmental Quality in Virtual Reality for User-Centred Sustainable Design	Jeremy Lovendianto, FX Teddy Badai Samodra, Sri Nastiti Nugrahani Ekasiwi, Audrey Tara Dianagri, and Evan Gamaliel Hafiz
9:30-9:45 a.m.	iSS2026-35	A PDCA-Based Framework for Green University Initiatives Supporting the SDGs: A Case Study from Thailand	Suchadee Tumrongsuk and Chitsanu Pakdeewanich
9:45-10:00 a.m.	iSS2026-38	An Integrated Fuzzy AHP–TOPSIS Framework for Selecting Optimal Road Relief Routes in Flood Disaster Response	Montri Wimol and Warapoj Meethom
10:00-10:15 a.m.	iSS2026-40	A Fuzzy AHP-TOPSIS Framework for Temporary Shelter Site Selection in Industrial Chemical Emergencies	Chavinthorn Maiyapakdee and Warapoj Meethom
10:15-10:30 a.m.	iSS2026-57	Development of High-Performance Polyurethane Films from Recycled PET: Effect of Fumed Silica-Induced Hydrogen Bonding Interactions	Kritsana Pokamas, Panachai Thusanaphoom, Thanathach Yingshataporn a-nan, Tharanin Panyachan, Narongrit Sosa, Jureeporn Yuennan and Nathapong Sukhawipat
10:30-10:45 a.m.	iSS2026-58	The Development of a Young Coconut Meat Scooping Machine	Choocheep Kheawubon, Nipon Bhuwakietkumjohn, Sakultala Wannapakhe, Sawanit Aichayawanich and Supachoke Saengswarn
Innovative Sustainable Sciences (iSS) Chair: Asst.Prof.Dr. Sak Sittichompoo Co-Chair: Dr.Pichitpon Neamyau			
Time	Paper ID	Title	Authors
11:00-11:15 a.m.	iSS2026-11	Mercury Enrichment as an Indicator of Active and Paleo Hydrothermal Systems in the Wae Sano Geothermal Prospect, Flores, Indonesia	Fajar Rizki Widiatmoko, Mochamad Nur Hadi, Dedi Kusnadi, Yo-Ho Chang, I Wayan Koko Suryawan, Akhmad Zamroni, Avellyn Shinthya Sari, Mega Mutiara Sari, Sachrul Iswahyudi, Fadlin and Ratih Hardini Kusuma Putri
11:15-11:30 a.m.	iSS2026-41	Effect of Thiamethoxam exposure on the survival and hypopharyngeal gland of the stingless bee (<i>Tetragonula pagdeni</i>)	Athit Charachit, Lars Straub and Jakkrawut Maitip
11:30-11:45 a.m.	iSS2026-44	Mitigating Particulate Matter and Unburnt Hydrocarbons in GDI Engines through Ozone-Enhanced Combustion	Ketsiree Ketpirune, Atichat Visadkanakul, Chananyu Phantara, Teerapong Pumusit, Boonlue Sawatmonkhon, Teerapong Iamcheerangkoon and Kampanart Theinnoi

Jasper 1

Innovative Sustainable Sciences (iSS) Chair: Dr.Teerapong Iamcheerangkoon Co-Chair: Dr.Pichitpon Neamyong			
Time	Paper ID	Title	Authors
1:15-1:30 p.m.	iSS2026-03	Microbial Bioflocculant in Water Supply Networks: Untapped Potential for ARG and Pathogen Control	Mohammed Jibrin Ndejiko
1:30-1:45 p.m.	iSS2026-04	Antibacterial Activity of Newbouldia leavis Extracts against Selected Bacteria	Muhammad, I. L., Mohammed, A., Mohammed, J. N., Muhammad, R. G., and Ahmed, A.,
1:45-2:00 p.m.	iSS2026-55	Water-Assisted Choline Chloride–Lactic Acid Deep Eutectic Solvent Pretreatment of Sugarcane Bagasse: Desirability-Based Optimization for Enhanced Fractionation	Samyuktha Jagadeesh, Nawaz Alam Faruquee, Rupesh Kumar D R, Asmita Mishra, Sathish Paulraj Gundupalli, Sukunya Areeya and Martin Paulraj Gundupalli

Jasper 2

Innovative Electricals and Electronics (iEE)

Chair: Dr. Patchadaporn Sangpet

Time	Paper ID	Title	Authors
11:00-11:15 a.m.	1571275458	Single VCII Transimpedance-mode Precision Fullwave Rectifier with Amplitude Controllability	Burin Theppota, Wiset Saksiri and Montree Siripruchyanun
11:15-11:30 a.m.	1571275460	Efficient Voltage-mode First-order Configurable Filter Using Only Single Second Generation Voltage Conveyor	Burin Theppota, Winai Jaikla, Wiset Saksiri and Montree Siripruchyanun
11:30-11:45 a.m.	1571284395	A Robust High-Swing, Low-Mismatch Charge Pump Architecture Using Super-Transistor Technique	Neetu.srivastava and Ajya kumar Dadoria
11:45 a.m. - 12:00 p.m.	1571293747	A Compact Single VCII-based First-Order All-Pass Filter with Phase-shift Controllability by One Resistor	Burin Theppota, Winai Jaikla and Montree Siripruchyanun

Innovative Electricals and Electronics (iEE)

Chair: Dr. Kitipoth Wasayangkool

Co-Chair: Assoc.Prof.Dr. Nonchanutt Chudpooti

Time	Paper ID	Title	Authors
1:15-1:30 p.m.	1571312535	Benchmarking Classifiers for SME Credit Risk Scoring under High Dimensionality and Extreme Class Imbalance: A Feasibility Study	Siwaporn Phukongtong, Wikanda Phaphan, Khwanmongkon Thonphon and Piyada Wongwiwat
1:30-1:45 p.m.	1571294005	CLIP-MambaBEV: Efficient Temporal BEV Perception with Mamba Modeling and Contrastive Semantic Supervision	Ying Lin, San Ratanasanya and Tanapat Anusas-amornkul
1:45-2:00 p.m.	1571316664	Analysis of the Proportion of Electricity Consumption of Solar Photovoltaic Systems, Batteries, and the Power Grid for Residential Homes in Thailand	Chatchan Thongjub and Koravik Buakham
2:00-2:15 p.m.	1571294571	Automated Greenhouse System for Sunflower Sprout Cultivation with Growth Stage Classification and Abnormality Detection Using MobileNetV2 and HSV Color Analysis	Angwara Tongrak, Supachai Nualkampo, Tarinee Tonggoed anSarut Panjand
2:15-2:30 p.m.	1571272574	Context-Aware Text–Emoji Fusion for Unsupervised Sentiment Identification in Animation Movie Reviews	Vuttichai Vichianchai, Jantima Polpinij, Orathai Suttijak, Veerapat Jantarajaturapat, Wiwat Sripnum, and Sasithorn Kaewman
2:30-2:45 p.m.	1571316667	Analysis of electricity generation and energy consumption from a hybrid Solar PV system in residential homes using data from applications	Chatchan Thongjub and Koravik Buakham
2:45-3:00 p.m.	1571312533	Application of Whale Optimization Algorithm for Solving Economic Dispatch Problem	Pichet Sriyanyong