

7 th March 2018 (Wednesday), Day 1			
Session Title: Advanced Technology in Power System 1 Session Chairs: Assoc. Prof. Dr. Thanapong Suwanasri, King Mongkut's Univ. of Tech. North Bangkok, Thailand Room: Luang Krabi Time: 15:00-17:00	Session Title: Digital Signal Processing 1 Session Chairs: Asst. Prof. Dr. Vorapop Patanavijit, Assumption Univ., Thailand Room: Ko Klang Time: 15:00-17:00	Session Title: Power & Energy 1 Session Chairs: Asst. Prof. Dr. Andrea Bonfiglio, Univ. of Genoa, Italy Room: Chaofa Time: 15:00-17:00	Session Title: Communications 1 Session Chairs: Assoc. Prof. Dr. Athikom Roeksabutr, Mahanakorn Univ. of Tech., Thailand Room: Phanom Time: 15:00-17:00
15:00 ID256 Condition Assessment in Transmission Line Asset for Maintenance Management	ID211 Performance Analysis of Denoising Algorithm Based on Adaptive Median Filter Under Unsystematic Intensity Impulse and Salt&Pepper Noise	ID410 Grid Integration Control Algorithm for SPV Based Power System	ID263 Elimination of Multi-bounce Effect for Outdoor RCS Measurement via 3D Imaging
15:20 ID481 A Study on Control Scheme of Low Frequency AC Transmission in Wind Generation System	ID241 Pattern Recognition for Identification of Gender of Individuals from Ground Reaction Force Parameters	ID399 A Fast Battery Cycle Counting Method for Grid-Tied Battery Energy Storage System Subjected to Microcycles	ID328 Analysis of Bottomside Thickness Parameter-Based TEC at Equatorial and Low Latitude Stations for Global Navigation Satellite Systems
15:40 -Seminar Group-	ID291 A Method of Thai Main Dish and Soup Classification by Gray Level Co-occurrence Matrix Algorithm	ID400 Bi-directional Power Control of Grid-tied Battery Energy Storage System Operating in Frequency Regulation	ID402 Evaluation of Pure Gravitational Search Algorithm for Wireless Sensor Networks Coverage Maximization
16:00 -Seminar Group-	ID347 Hand Movement Recognition by Using a Touchless Sensor for Controlling Images in Operating Room	ID275 Model Predictive Control Application for the Control of a Grid-Connected Synchronous Generator	ID365 Development and Implementation of a Software Defined Radio Ground Station Prototype for Small Satellites
16:20 -Seminar Group-	ID406 Human Height Measurement by Square Template	ID435 PI Controller Based on Direct Synthesis Method for DC-Link Voltage Control of Active Power Filter	ID422 A Development of Microwave Oven for Eradicating Eggs of Red Flour Beetle
16:40 -Seminar Group-	ID407 A Method of Swimming Rat Detection in Morris Water Maze by Using Image Processing	ID437 Parameters Identification for Series Resonance in Power Systems Using a Frequency Response Technique	ID419 Nonlinear Kalman Filter Model for Balancing Optimization Gyro Robot

8 th March 2018 (Thursday), Day 2			
Session Title: Advanced Technology in Power System 2 Session Chairs: Dr. Channarong Banmengkoi, Chulalongkorn Univ., Thailand Room: Luang Krabi Time: 08:30-10:30	Session Title: Communications 2 Session Chairs: Sgt. Dr. Kunanon Kittipute, Thai-Nichi Institute of Tech., Thailand Room: Ko Klang Time: 08:30-10:30	Session Title: Power & Energy 2 Session Chairs: Assoc. Prof. Dr. Krischonne Bhumkittipich, Rajamangala Univ. of Tech. Thanyaburi, Thailand Room: Chaofa Time: 08:30-10:30	Session Title: Power & Energy 3 Session Chairs: Assoc. Prof. Dr. Nathabhat Phankong, Rajamangala Univ. of Tech. Thanyaburi, Thailand Room: Phanom Time: 08:30-10:30
08:30 ID239 Comparative Testing of Breakdown Voltage versus Polarization Current of 0.6/11kV XLPE Cables with Different Defects	ID289 A Modified Super-Wideband Planar Elliptical Monopole Antenna	ID235 Evaluation Yield Efficiency of Photovoltaic Cells from Total Harmonic Distortion Current from Electrical Load in Households	ID214 A Non-Isolated Double-Input High Voltage Gain DC-DC Converter with Reduced Normalized Voltage Stress
08:50 ID260 The Realistic Approximation on Equivalent Attractive Radius of Lightning Strikes	ID298 Body Implantable Patch Antenna for Biotelemetry System	ID244 A Study on Thermoelectric Power Generator by Solar Energy Using Fresnel Lens	ID215 A ZVS Three-Phase Interleaved Boost DC-DC Converter with SFM Control Method
09:10 ID492 Effect of NaCl Solution and Temperatures on Water Treeing Propagation in XLPE Underground Cable for Medium Voltage	ID304 A Dual-band Microstrip Fed Quasi-Yagi Antenna	ID251 Optimised Solar Power Fed Induction Motor Drive for Water Pumping Application along with Load	ID226 Design and Development of 10kW Battery Pack Tester Module
09:30 -Seminar Group-	ID351 Four-Elements Post Shape Array Antenna for MIMO System	ID315 Comparison of POD function with Power Controller and Voltage Controller for Photovoltaic Plant	ID233 Simulation of a Miniature SEPIC Converter With PI Controller for Thermoelectric Generator Module
09:50 -Seminar Group-	ID354 Double-Fed Rectangular Microstrip Patch Antenna for WLAN Applications	ID319 The Stability Analysis of DC Micro-Grid System with PV Array	ID252 A Highly Efficient PV and Fuel Cell Powered Full Bridge Bidirectional LLC Resonant Converter
10:10 -Seminar Group-	ID357 Bi-directional Antenna using a Probe-Fed Waveguide Aperture with Stacked-Coupling Apertures	ID329 Modeling of Grid Integrated Solar Photovoltaic System Using Typhoon HIL	ID350 Modeling and Simulation of MPPPT SEPIC – Buck Converter Series Using Flower Pollination Algorithm (FPA) - PI Controller in DC Microgrid Isolated System

Session Title: Advanced Technology in Power System 3 Session Chairs: Asst. Prof. Dr. Komsan Hongesombut, Kasetsart Univ., Thailand Room: Luang Krabi Time: 13:20-15:20	Session Title: Communications 3 Session Chairs: Asst. Prof. Dr. Suchada Sitjongsatopon, Mahanakorn Univ. of Tech., Thailand Room: Ko Klang Time: 13:20-15:20	Session Title: Power & Energy 4 Session Chairs: Assoc. Prof. Dr. Boonyang Plangklang, Rajamangala Univ. of Tech. Thanyaburi, Thailand Room: Chaofa Time: 13:20-15:20	Session Title: Power & Energy 5 Session Chairs: Dr. Pracha Khamphakdi, Ubon Ratchathani Univ., Thailand Room: Phanom Time: 13:20-15:20
13:20 ID310 An Improved Method for Controller Design based on Synchronophasor Measured Data of Interconnected Power System	ID442 Compensation of Mutual Coupling for Two Dipole Transmitting Antenna Array	ID321 One-Hour Ahead Prediction of Solar Irradiance Using Support Vector Machines	ID227 Development of NPC-H-Bridge Inverter for High Power Application
13:40 ID327 A Comparative Study on Constraint Handling for Solving Economic Dispatch by Evolutionary Algorithms	ID445 Optimal Synthesis of Linear Antenna Array with Wide Null Symmetry using Novel Particle Swarm Optimization Technique	ID333 A Novel Disconnecter Device for Unlocking MC-4 Connector Type	ID250 Improved Boost Ability of Extended Boost Active Switched-Capacitor/ Switch-Inductor Converter
14:00 ID479 Comparison of Voltage Distortion Impacts from High-Speed Railway Systems connected to Electrical Grid under Different Special Transformers	ID446 Side-Lobe Level Reduction of Concentric Array Antennas using Crazyness Based Particle Swarm Optimization Technique	ID337 Comparison of Performance of 1D5P with 2 Input and 1 Input Model in Forecasting of Power Output for Photovoltaic Systems	ID355 Optimal Zero-sequence Selection for Five-Leg Inverter Based on Two-Phase SVPWM Fed Dual Two-Phase Induction Motors
14:20 ID493 Condition Assessment of a Gas Insulated Substation	ID448 Thinned Concentric Circular Array Antenna Synthesis Using Seeker Optimization Algorithm	ID348 Solution of Probabilistic Economic Dispatch in Presence of Solar Power	ID379 A New Control Approach of Grid Interfaced Five Level Cascaded Multilevel Inverter
14:40 -Seminar Group-	ID480 Low Cost Multiband Switched Beam Antenna for 5G Applications	ID388 Performance of Temperature Model in Forecasting the Power Output for Photovoltaic System	ID398 Performance Evaluation of Cascaded H-Bridge Inverter as Active Line Conditioner
15:00 -Seminar Group-	ID486 Design of Wide-band Dipole Antenna for Digital TV Broadcasting Application	ID302 A Review on Different Methods of Wind Power Forecasting	ID489 Elimination of Common-Mode Voltage in Dual Two-Level Voltage Source Inverter Fed Open-End Load Using a Discontinuous SVM Technique

Session Title: Advanced Technology in Power System 4 Session Chairs: Asst. Prof. Dr. Sanchai Dechanapaprittha, Kasetsart Univ., Thailand Room: Luang Krabi Time: 15:35-17:55	Session Title: Communications 4 Session Chairs: Sgt. Dr. Kunanon Kittipute, Thai-Nichi Institute of Tech., Thailand Room: Ko Klang Time: 15:35-17:55	Session Title: Power & Energy 6 Session Chairs: Asst. Prof. Dr. Worawat Nakawiro, King Mongkut's Institute of Tech. Ladkrabang, Thailand Room: Chaofa Time: 15:35-17:55	Session Title: Power Electronics Application in Renewable Energy Systems 1 Session Chairs: Assoc. Prof. Dr. Yuttana Kumsuwan, Chiang Mai Univ., Thailand Room: Phanom Time: 15:35-17:55
15:35 ID482 Synchronophasor based Coordinated Fuzzy PEVs Charging Controllers Design for Stabilizing Tie-line Power Oscillation in Interconnected Smart Grids	ID243 IEEE1888 Bluetooth – Wi-Fi Gateway for BLE Sensor Network	ID225 Electric Potential Assessment due to Lightning Strike into the Overhead Ground Wire in Power Distribution System	ID294 Single-Phase Transformerless Grid-Connected Three-Switch Three-State Impedance Source Inverter
15:55 ID483 Estimation of Electromechanical Mode based on Synchronophasor Data	ID296 Wire Medium Structure for Gain Enhancement of Conical Horn Antenna	ID228 Study of Plug-in Electric Vehicles Charging by Using Load Shaving Method Based on TOU in Distribution System-Case Study in Thailand Country	ID295 PEM Fuel Cell Emulator using Mathematical Dynamic Model and Relative Humidity Calculation
16:15 ID491 Asset Management of Underground Cable System for Industrial Estate in Thailand	ID383 Simulink Model for Realtime Optical Access Network Monitoring using FBG Combination	ID230 Design and Testing of Low Loss Distribution Transformer for Non-linear Loading Current	ID412 Optimal Sizing and Location of the Charging Station for Plug-in Electric Vehicles using the Particle Swarm Optimization Technique
16:35 -Seminar Group-	ID447 Indoor Wireless Sensor Network Localization Using RSSI Based Weighting Algorithm Method for Short Range Wireless Communication	ID269 Short-Term Demand Forecasting By Using ANN Algorithms	ID440 A Novel Carrier Based PWM Technique with Common-mode Voltage Reduction for Rotor Side Converter in Doubly-fed Induction Generator
16:55 -Seminar Group-	ID487 Secrecy Downlink Multi-User MISO Networks	ID301 Short-Term Price Forecasting by Using ANN Algorithms	ID462 The Series Connected Bidirectional Resonant Converter for Energy Storage Applications
17:15 -Seminar Group-	ID346 Thai Minspeak* System for Facilitating Communications Involving People with Communication Disabilities	ID414 A Novel Multi-objective PMU Placement Method for Power System State Estimation	ID450 Modeling and Simulation of MPPPT SEPIC-BOOST Using Modified Particle Swarm Optimization (MPSO)-FLC Under Dynamic Partial Shading Condition in DC Microgrid System
17:35 -Seminar Group-	ID270 Humanoid Navigation: An Intelligent Computer Vision based Approach	ID393 One Hour-Ahead Wind Speed Forecasting of Sotavento Galicia SA Wind Farm by using ANN	ID254 Modelling and Stability Analysis of a TWMM Using Kalman Filter and PID Controller

9 th March 2018 (Friday), Day 3			
Session Title: Computer & IT 1 Session Chairs: Asst. Prof. Dr. Somphop Rodamporn, Srinakharinwirot Univ., Thailand Room: Luang Krabi Time: 08:30-10:30	Session Title: Digital Signal Processing 2 Session Chairs: Assoc. Prof. Dr. Theekapun Charoenpong, Srinakharinwirot Univ., Thailand Room: Ko Klang Time: 08:30-10:30	Session Title: Power & Energy 7 Session Chairs: Asst. Prof. Dr. Komsan Hongesombut, Kasetsart Univ., Thailand Room: Chaofa Time: 08:30-10:30	Session Title: Power & Energy 8 Session Chairs: Assoc. Prof. Dr. Boonyang Plangklang, Rajamangala Univ. of Tech. Thanyaburi, Thailand Room: Phanom Time: 08:30-10:30
08:30 ID257 Slotted Np-CSMA with Poisson-based Packet Size using Semi-Markov Process	ID210 Detecting Bilateral Symmetry in Single Object Image Through Slope	ID234 Load Alleviation in Transmission System by Using Phase Shifting Transformer	ID245 Comparison Between Different Modelling Methods to Study the Dynamical Behaviour of Line Start Permanent Magnet Synchronous Motors
08:50 ID303 End-Host Wireless Network Data Collection System for Wireless Network Quality Enhancement	ID300 Fast Adaptive Algorithm for Sinusoidal Interference Cancellation	ID306 Short-Term Electricity Demand Forecasting with Seasonal and Interactions of Variables for Thailand	ID280 Fractional SMC for Speed Control of PMSM
09:10 ID313 Incremental Clustering Approach for Evolving Trajectory Data Stream	ID309 2 Level Simplified Fuzzy ARTMAP for Grape Leaf Disease system using Color Imagery and Gray-level Co-Occurrence Matrix	ID335 Optimization Techniques in Modern Times & Their Applications	ID283 Fictitious Flux and a Globally Stable Observer for Sensorless Control of Synchronous Reluctance Motors
09:30 ID318 The QoS Analysis of the 3G Mobile Signals for Telemedicine Support in Thailand's Rural Areas	ID408 A Singular Spectrum Analysis Pre-coded Deep Learning Architecture for Forecasting Currency Time Series	ID375 CDO – A New Metaheuristic Algorithm Towards the Solution of Transient Stability Constrained Optimal Power Flow	ID345 Tuning of Power System Stabilizers in Multi-machine Power Systems using Math Flame Optimization
09:50 ID361 Parallel DEFSO-Scout: Data Parallelism	ID452 Changes in Pulse Transit Time during Psychological Stress Test	ID463 Target Setting of Power System Reliability Indices with Consideration of Maintenance Cost and Relevant Factors	ID391 Establishment of a Pico Hydro Power Plant using Permanent Magnet Synchronous Generator Supplied for AC Microgrid
10:10 ID409 Human Computer Interaction and Usability Engineering of Thai Word Search Keyboard Application for Students with Learning Disabilities	ID232 Visual Odometry based on K-Nearest Neighbor Matching and Robust Motion Estimation	ID484 Technical and Financial Assessment of Iligan City Hall Distribution System	ID454 Optimization for Wind Turbine with Permanent Magnet Synchronous Generator (PMSG) using Optimal Control Design

Session Title: Computer & IT 2 Session Chairs: Asst. Prof. Dr. Sutheera Puntheeranurak, King Mongkut's Institute of Tech. Ladkrabang, Thailand Room: Luang Krabi Time: 10:45-12:25	Session Title: Power & Energy 9 Session Chairs: Dr. Achara Pichetjarnroen, Kasetsart Univ., Thailand Room: Chaofa Time: 10:45-12:25	Session Title: Power Quality in Smart Grid 1 Session Chairs: Asst. Prof. Dr. Jonglak Pahasa, Univ. of Phayao, Thailand Room: Phanom Time: 10:45-12:25	Session Title: Electronics & Control 5 Session Chairs: Assoc. Prof. Dr. Pramote Wardkein, King Mongkut's Institute of Tech. Ladkrabang, Thailand Room: Bencha Time: 10:45-12:25
10:45 ID205 Uncertain Defuzzified Value of Periodic Membership Function	ID428 Arc Flash Hazard Assessment in Medium Voltage Switchgear: A Case Study in Cement Plant	ID455 Image Centric Anti-Tampering Technique for AMI Smart Metering	ID282 Wind Speed Measurement based on Kalman Filter using Phase Detector of Ultrasonic Sensor
11:05 ID368 Two-step Prediction Technique for Dengue Outbreak in Thailand	ID312 Short-Term Wind Speed Forecasting of Lelystad Wind Farm by using ANN Algorithms	ID472 Optimal Hybrid Renewable Generator for Techno-Economic Benefits in Smart Distribution Network	ID285 A Soft Sensor for Prediction of Temperature Rises on a Ball Screw Shaft Using Extreme Learning Machine
11:25 ID382 Investigation of Various Manipulated Music Tempo for Reducing Negative Emotion using Beta EEG Index	ID344 Short-term Hydro-thermal-wind Scheduling using Salp Swarm Algorithm	ID473 Intelligent Algorithm for Optimal Load Management in Smart Home Appliance Scheduling in Distribution System	ID307 A Study of Relationship between Sensor Response and Odor Perception in Human
11:45 -Seminar Group-		ID475 Hybrid Energy Storage System in Standalone DC Microgrid with Ramp Rate Limitation for Extending the Lifespan of Battery	ID330 Application of Short Time Fourier Transform in Ultrasonic Velocity Profiler on Bubbly Flow
12:05 -Seminar Group-		ID476 Optimal Fast Charging Station Location for Public Electric Transportation in Smart Power Distribution Network	ID332 Modified Current Feedback vs Voltage Feedback Signals Distortion Effect

Session Title: Digital Signal Processing 3 Session Chairs: Assoc. Prof. Dr. Sanun Srisuk, Nakhon Phanom Univ., Thailand Room: Ko Klang Time: 13:25-15:25	Session Title: Power & Energy 10 Session Chairs: Dr. Bamrung Tausieskul, Srinakharinwirot Univ., Thailand Room: Chaofa Time: 13:25-15:25	Session Title: Power & Energy 11 Session Chairs: Assoc. Prof. Dr. Vuttipon Tarateeraseth, Srinakharinwirot Univ., Thailand Room: Phanom Time: 13:25-15:25	Session Title: Electronics & Control 6 Session Chairs: Asst. Prof. Dr. Pichaya Chaipanya, Srinakharinwirot Univ., Thailand Room: Bencha Time: 13:25-15:25
13:25 ID336 Plant Leaf Disease Diagnosis from Color Imagery using Co-occurrence Matrix and Artificial Intelligence System	ID204 Some Results on Positive Realness in the Presence of Delayed Dynamics	ID242 New Sliding Mode Control of a Three-Phase AC/DC Converter with Exponential Rate Reaching Law	ID264 Development of a New Base of Robot Arm using Finite Element Analysis
13:45 ID433 Identification of Plant Nutrient Deficiencies Using Convolutional Neural Networks	ID208 DC and AC Power Distribution Systems in Photovoltaic Generation for Household Applications	ID258 On the Statistical Characterization of the Discrete Fourier Transform of Noisy Space Vectors	ID272 Effects of Annealing Process on the Electrical Properties of MEMS Capacitive Microphone
14:05 ID477 Bilateral Filtering Embed with Edge Flow Feature	ID308 The Evaluation of Short Circuit Current to Achieve System Protection Design in Power Network with Renewable Energy Application	ID338 H-bridge Modular Multilevel Pulse Power Supply for Liquid Food Sterilization	ID273 Fabrication of Contour Cavity using Multi-exposure Lithography for MEMS Capacitive Microphone
14:25 ID478 Preserving Edge from Gaussian Filter by Edge Template	ID371 Implementation of MPPPT Technique in PV Array For a Varying Load by Modeling & Simulation	ID469 Hybrid Modular Multilevel Converter with DC Fault Blocking Capability	ID293 Development of the Human Following Robot Control System Using HD Webcam
14:45 ID490 Handcraft and Learned Feature Extraction Techniques for Robust Face Recognition: A Review	ID488 Estimation of Solar Radiation and Optimal Tilt Angles of Solar Photovoltaic for Khon Kaen University	ID470 Pulse Width Modulated Cascaded Multi Level Inverter Topology	ID311 AU Automatic Car-Parking Modeling System
15:05 -Seminar Group-			ID430 Adaptive Switching Mechanism of Leg Stiffness for Multi-legged Robot

Session Title: Plasma Technology and Its Applications 1 Session Chairs: Asst. Prof. Dr. Khanit Matra, Srinakharinwirot Univ., Thailand Room: Nopparat Time: 08:30-10:30	Session Title: Electronics & Control 1 Session Chairs: Dr. Ian Andrew Groult, Univ. of Limerick, Ireland Room: Bencha Time: 08:30-10:30	Session Title: Plasma Technology and Its Applications 1 Session Chairs: Asst. Prof. Dr. Khanit Matra, Srinakharinwirot Univ., Thailand Room: Nopparat Time: 08:30-10:30	Session Title: Plasma Technology and Its Applications 1 Session Chairs: Asst. Prof. Dr. Khanit Matra, Srinakharinwirot Univ., Thailand Room: Nopparat Time: 08:30-10:30
ID268 Experimental Investigation of Electrical Discharge Plasma in Air Microbubbles Water Mixture	ID201 Pulse-Frequency Modulation Signal Generation for Programmable Logic using Python and VHDL	ID411 Study on the Breakdown of Cell Membrane and Vacuolar Membrane by Electric Pulses	ID218 Stabilized and Rotating Mechanism of 2D Laser Scanner for 3D Point Cloud Reconstruction
ID416 An Investigation of Plasma Activated Water Generated by 50 Hz Half Wave AC High Voltage	ID218 Stabilized and Rotating Mechanism of 2D Laser Scanner for 3D Point Cloud Reconstruction	ID421 Atmospheric Argon Plasma Jet for Post-treatment of Biotreated Landfill Leachate	ID240 A Voltage Mode, Fully Differential Implementation of Mihalas-Niebur Neuron with Biological-timescale Spiking Patterns
ID427 Surface Modifications in Pulsed Microcornea Streamer Plasma	ID262 Portable Industrial Standard Mixed-Signal Transmitter for Laboratory	ID427 Surface Modifications in Pulsed Microcornea Streamer Plasma	ID265 Battery Monitoring System for DC Distribution in a Substation using Travelling Wave
ID460 UV Absorption Spectroscopy Analysis on Water Irradiated to Atmospheric Pressure Plasma Jet	ID341 Comparison between Integrated Circuit and Transistor Pulse Generators for Functional Electrical Stimulation	ID460 UV Absorption Spectroscopy Analysis on Water Irradiated to Atmospheric Pressure Plasma Jet	ID266 An Application of Lean Automation a Case Study of Thailand's Control Cable Manufacturing
ID277 Effect of High Voltage Switching Frequency on DBD Plasma in Air for PET Surface Modification	ID233 Performance Evaluation of Submicron SIC MESFET	ID277 Effect of High Voltage Switching Frequency on DBD Plasma in Air for PET Surface Modification	ID224 Design of Low-Power CMOS Limiting Amplifier with RSSI Integrated Circuit for Low-Frequency Wake-up Receivers

Session Title: Electronics & Control 2 Session Chairs: Asst. Prof. Dr. Surachai Ongkittikul, Mahanakorn Univ. of Tech., Thailand Room: Bencha Time: 13:20-15:20	Session Title: Electronics & Control 2 Session Chairs: Asst. Prof. Dr. Surachai Ongkittikul, Mahanakorn Univ. of Tech., Thailand Room: Bencha Time: 13:20-15:20	Session Title: Electronics & Control 2 Session Chairs: Asst. Prof. Dr. Surachai Ongkittikul, Mahanakorn Univ. of Tech., Thailand Room: Bencha Time: 13:20-15:20	Session Title: Electronics & Control 2 Session Chairs: Asst. Prof. Dr. Surachai Ongkittikul, Mahanakorn Univ. of Tech., Thailand Room: Bencha Time: 13:20-15:20
ID223 Performance Evaluation of Submicron SIC MESFET	ID224 Design of Low-Power CMOS Limiting Amplifier with RSSI Integrated Circuit for Low-Frequency Wake-up Receivers	ID223 Performance Evaluation of Submicron SIC MESFET	ID224 Design of Low-Power CMOS Limiting Amplifier with RSSI Integrated Circuit for Low-Frequency Wake-up Receivers
ID286 The Effect of Gamma Irradiation on Threshold Voltage and Channel Mobility Degradation of NMOS	ID286 The Effect of Gamma Irradiation on Threshold Voltage and Channel Mobility Degradation of NMOS	ID286 The Effect of Gamma Irradiation on Threshold Voltage and Channel Mobility Degradation of NMOS	ID286 The Effect of Gamma Irradiation on Threshold Voltage and Channel Mobility Degradation of NMOS
ID299 CMOS Current Feedback Operational Amplifier with Improved CCLII & Fast Speed Buffer	ID299 CMOS Current Feedback Operational Amplifier with Improved CCLII & Fast Speed Buffer	ID299 CMOS Current Feedback Operational Amplifier with Improved CCLII & Fast Speed Buffer	ID299 CMOS Current Feedback Operational Amplifier with Improved CCLII & Fast Speed Buffer
ID413 Low-Voltage Low-Power Sub-Threshold CMOS Four-Quadrant Analogue Multiplier	ID413 Low-Voltage Low-Power Sub-Threshold CMOS Four-Quadrant Analogue Multiplier	ID413 Low-Voltage Low-Power Sub-Threshold CMOS Four-Quadrant Analogue Multiplier	ID413 Low-Voltage Low-Power Sub-Threshold CMOS Four-Quadrant Analogue Multiplier
ID266 An Application of Lean Automation a Case Study of Thailand's Control Cable Manufacturing	ID266 An Application of Lean Automation a Case Study of Thailand's Control Cable Manufacturing	ID266 An Application of Lean Automation a Case Study of Thailand's Control Cable Manufacturing	ID266 An Application of Lean Automation a Case Study of Thailand's Control Cable Manufacturing

Session Title: Informative Technology Applications in Health 1 Session Chairs: Asst. Prof. Dr. Pichitpong Soontornpipit, Mahidol Univ., Thailand Room: Thara Time: 08:30-10:30	Session Title: Informative Technology Applications in Health 1 Session Chairs: Asst. Prof. Dr. Pichitpong Soontornpipit, Mahidol Univ., Thailand Room: Thara Time: 08:30-10:30	Session Title: Informative Technology Applications in Health 1 Session Chairs: Asst. Prof. Dr. Pichitpong Soontornpipit, Mahidol Univ., Thailand Room: Thara Time: 08:30-10:30	Session Title: Informative Technology Applications in Health 1 Session Chairs: Asst. Prof. Dr. Pichitpong Soontornpipit, Mahidol Univ., Thailand Room: Thara Time: 08:30-10:30
ID246 Design and Development of Data Model for Stroke FAST Track System	ID246 Design and Development of Data Model for Stroke FAST Track System	ID246 Design and Development of Data Model for Stroke FAST Track System	ID246 Design and Development of Data Model for Stroke FAST Track System
ID247 The Smart Health Care Application for Overweight Children based on the Health Care Children Guideline	ID247 The Smart Health Care Application for Overweight Children based on the Health Care Children Guideline	ID247 The Smart Health Care Application for Overweight Children based on the Health Care Children Guideline	ID247 The Smart Health Care Application for Overweight Children based on the Health Care Children Guideline
ID334 A Comparison between Correlation and Grey Relational for Big Data and Analytics	ID334 A Comparison between Correlation and Grey Relational for Big Data and Analytics	ID334 A Comparison between Correlation and Grey Relational for Big Data and Analytics	ID334 A Comparison between Correlation and Grey Relational for Big Data and Analytics
ID343 Spatial Mapping of Influenza Infection by Bayesian Approach	ID343 Spatial Mapping of Influenza Infection by Bayesian Approach	ID343 Spatial Mapping of Influenza Infection by Bayesian Approach	ID343 Spatial Mapping of Influenza Infection by Bayesian Approach
ID349 Design of the Electronic Consultation System: Rama Health Electronic Consulting	ID349 Design of the Electronic Consultation System: Rama Health Electronic Consulting	ID349 Design of the Electronic Consultation System: Rama Health Electronic Consulting	ID349 Design of the Electronic Consultation System: Rama Health Electronic Consulting
ID352 Promoting the New Role of Nursing Informatics Professional in Thailand	ID352 Promoting the New Role of Nursing Informatics Professional in Thailand	ID352 Promoting the New Role of Nursing Informatics Professional in Thailand	ID352 Promoting the New Role of Nursing Informatics Professional in Thailand

Session Title: Informative Technology Applications in Health 2 Session Chairs: Asst. Prof. Dr. Pichitpong Soontornpipit, Mahidol Univ., Thailand Room: Thara Time: 10:45-12:25	Session Title: Informative Technology Applications in Health 2 Session Chairs: Asst. Prof. Dr. Pichitpong Soontornpipit, Mahidol Univ., Thailand Room: Thara Time: 10:45-12:25	Session Title: Informative Technology Applications in Health 2 Session Chairs: Asst. Prof. Dr. Pichitpong Soontornpipit, Mahidol Univ., Thailand Room: Thara Time: 10:45-12:25	Session Title: Informative Technology Applications in Health 2 Session Chairs: Asst. Prof. Dr. Pichitpong Soontornpipit, Mahidol Univ., Thailand Room: Thara Time: 10:45-12:25
ID358 The Perspective of Users After Tried the Electronic Record System in Home Health Care Unit	ID358 The Perspective of Users After Tried the Electronic Record System in Home Health Care Unit	ID358 The Perspective of Users After Tried the Electronic Record System in Home Health Care Unit	ID358 The Perspective of Users After Tried the Electronic Record System in Home Health Care Unit
ID360 Comparing a Conceptual Model of the Electronic Record System Applying in Home Health Care Unit	ID360 Comparing a Conceptual Model of the Electronic Record System Applying in Home Health Care Unit	ID360 Comparing a Conceptual Model of the Electronic Record System Applying in Home Health Care Unit	ID360 Comparing a Conceptual Model of the Electronic Record System Applying in Home Health Care Unit
ID374 Development of an Rehabilitation Monitoring System on Web-Based Application for Patients with Knee Pain	ID374 Development of an Rehabilitation Monitoring System on Web-Based Application for Patients with Knee Pain	ID374 Development of an Rehabilitation Monitoring System on Web-Based Application for Patients with Knee Pain	ID374 Development of an Rehabilitation Monitoring System on Web-Based Application for Patients with Knee Pain
ID390 Design and Development of a Dual-band PIFA Antenna for Wireless Biotelemetry Applications	ID390 Design and Development of a Dual-band PIFA Antenna for Wireless Biotelemetry Applications	ID390 Design and Development of a Dual-band PIFA Antenna for Wireless Biotelemetry Applications	ID390 Design and Development of a Dual-band PIFA Antenna for Wireless Biotelemetry Applications
ID392 Flexible Graphene Waffle-typed Antenna for Skin-Typed Medical Applications	ID392 Flexible Graphene Waffle-typed Antenna for Skin-Typed Medical Applications	ID392 Flexible Graphene Waffle-typed Antenna for Skin-Typed Medical Applications	ID392 Flexible Graphene Waffle-typed Antenna for Skin-Typed Medical Applications

Session Title: Informative Technology Applications in Health 3 Session Chairs: Asst. Prof. Dr. Pichitpong Soontornpipit, Mahidol Univ., Thailand Room: Thara Time: 13:25-15:25	Session Title: Informative Technology Applications in Health 3 Session Chairs: Asst. Prof. Dr. Pichitpong Soontornpipit, Mahidol Univ., Thailand Room: Thara Time: 13:25-15:25	Session Title: Informative Technology Applications in Health 3 Session Chairs: Asst. Prof. Dr. Pichitpong Soontornpipit, Mahidol Univ., Thailand Room: Thara Time: 13:25-15:25	Session Title: Informative Technology Applications in Health 3 Session Chairs: Asst. Prof. Dr. Pichitpong Soontornpipit, Mahidol Univ., Thailand Room: Thara Time: 13:25-15:25
ID403 Forecasting Model for Dengue Morbidity Rate in Thailand	ID403 Forecasting Model for Dengue Morbidity Rate in Thailand	ID403 Forecasting Model for Dengue Morbidity Rate in Thailand	ID403 Forecasting Model for Dengue Morbidity Rate in Thailand
ID415 EM Algorithm for Normal Mixture Likelihoods	ID415 EM Algorithm for Normal Mixture Likelihoods	ID415 EM Algorithm for Normal Mixture Likelihoods	ID415 EM Algorithm for Normal Mixture Likelihoods
ID426 Empirical Bayes Estimators under Nonparametric Priors for Disease Mapping of HIV/AIDS	ID426 Empirical Bayes Estimators under Nonparametric Priors for Disease Mapping of HIV/AIDS	ID426 Empirical Bayes Estimators under Nonparametric Priors for Disease Mapping of HIV/AIDS	ID426 Empirical Bayes Estimators under Nonparametric Priors for Disease Mapping of HIV/AIDS
ID464 Design Data Model and Develop Web Application for Road Traffic Injury in Thailand	ID464 Design Data Model and Develop Web Application for Road Traffic Injury in Thailand	ID464 Design Data Model and Develop Web Application for Road Traffic Injury in Thailand	ID464 Design Data Model and Develop Web Application for Road Traffic Injury in Thailand
ID466 Bayesian Modelling and Mapping of HIV Infection Rate in Thailand	ID466 Bayesian Modelling and Mapping of HIV Infection Rate in Thailand	ID466 Bayesian Modelling and Mapping of HIV Infection Rate in Thailand	ID466 Bayesian Modelling and Mapping of HIV Infection Rate in Thailand
ID467 Bayesian Approach with Different Heterogeneity Variance Priors in Disease Mapping of HIV/AIDS in Thailand	ID467 Bayesian Approach with Different Heterogeneity Variance Priors in Disease Mapping of HIV/AIDS in Thailand	ID467 Bayesian Approach with Different Heterogeneity Variance Priors in Disease Mapping of HIV/AIDS in Thailand	ID467 Bayesian Approach with Different Heterogeneity Variance Priors in Disease Mapping of HIV/AIDS in Thailand