

November 14 (Saturday)

Concurrent Session 1 (14:30-16:10)

Paper ID	1-A: Management of Technology 1
1570217258	<i>Critical Success Factors Of Manufacturing Solution Adoption: A Qualitative Case Study in Metal-Stamping Industry</i> Teck Loon Lim, Mee Yee Kow, Akbariah Mohd Mahdzir and Nooh Bakar
1570227324	<i>Proposal On Hybrid Risk Evaluation Method (Hrem) For Bidding Decision In International Infrastructure Project</i> Takayuki Isaka, Wataru Yoneda and Tsuyoshi Koga
1570214968	<i>Application of Multidimensional Diagnosis System or P Diagram in Building Design</i> Neza Ismail and Mohamed Ibrahim
1570203013	<i>Putting Your Money Where Your Mouth Is: Buying Behaviour and Sustainability Concerns amongst First-time Home Buyers</i> Ahmad Syahid, Mohamad Ali Tareq and Akbariah Mahdzir
1570232672	<i>Comparison Of Open Innovation And Supply Chain Management Towards Integration Of Both</i> Muhammad Junaidy Bin Mohd Sajuti, Yoshiyuki Matsuura and Nguyen Huu Phuc
	1-B: Mechanical Precision Engineering
1570222123	<i>Vibration Energy Harvester Based on Inverse Magnetostrictive Transduction</i> Takeaki Saimaru, Tianyu Fan and Yoshio Yamamoto
1570215572	<i>The Effect of Bilayer Graphene on Sensitivity of Surface Plasmon Resonance Biosensor</i> Hamid Toloue Ajili Tousi, Anthony Centeno and Noriyuki Kuwano
1570218093	<i>Electron Microscopy Study Of Deformation And Recrystallization Behavior Of Pure Tin For Mitigation Of Whiskers</i> Marina Lias and Noriyuki Kuwano
1570215020	<i>An Actively Controlled Turbocharger Algorithm Based on Passive Device under Unsteady Flow Condition</i> Irfan Bahiuddin, Fitriani Imaduddin, Saiful Amri Mazlan and Mohd Azizi Abdul Rahman
1570231893	<i>High Repetition Rate Operation Operation Of A Low-Power Short-Pulse Plasma Thruster</i> Yuki Nakamura, Hiroshi Hosokawa and Hideyuki Horisawa

### 1-C: Electronic Systems Engineering

- 1570217212 *Optical Coupling For Multi-layer Printed Wiring Board By Self-Written Waveguide*  
Nurul Atiqah Baharudin, Sumiaty Ambran, Osamu Mikami and Chiemi Fujikawa
- 1570215878 *An AI-water Fed DC Arcjet*  
Naoto Yanagida, Hideyuki Horisawa and Akira Kobayashi
- 1570214534 *Theoretical Analysis for Effect of Facet Reflections on Amplification and Noise Characteristics in Semiconductor Optical Amplifiers*  
Minoru Yamada
- 1570214532 *An Improved Model for Noise Analysis in Semiconductor Optical Amplifier*  
Alexander Setiawan Putra, Kazuki Makinoshima, Minoru Yamada and Sumiaty Ambran
- 1570214359 *A novel RSSI prediction using ICA, RBF and FFA in wireless networks*  
Shidrokh Goudarzi and Wan H Hassan

### 1-D: Environment and Green Technology

- 1570218794 *Production of Value Added Substances by Tropical Microalgae*  
Nurul Ashyikin Yahya; Koji Iwamoto; Marshila Kaha; Noraiza Suhaimi; Hirufumi Hara
- 1570216970 *Performance of a Newly Formulated Filter Aids Material on Particle Penetration*  
Siti Hajar Abd Rahim; Mohd Rashid Mohd Yusof; Nurnadia Andenan; Mohd Ammar Mohd Rashid
- 1570215084 *Performance Evaluation of Water Heat Source Makeup Air Unit Applied Low-temperature Desorption-type Desiccant Rotor on Prefabricated Module Air-conditioner Cassettes System*  
Masao Masuda; Masayuki Tanino; Toshiaki Saitou; Masanori Kikuchihara; Masaki Hatakeyama
- 1570217242 *Comparative Study on the Effect of Green Space on Outdoor Temperature in Residential Area under Tropical Climate*  
Aras Khedri Zadeh
- 1570217251 *Effect of Vortex Finder Diameter on Pressure Drop Across the MR-deDuster Cyclone*  
Nur Hasyimah Hashim, Mohd Rashid Mohd Yusof, Norelyza Hussein and Mohd Hasrizam Che Man

## 1-E: Management of Technology 2

- 1570217115 *Product Lifecycle Management Technology Assessment: A Case Study In the Industrial Equipment Industry*  
Mee Yee Kow, Teck Loon Lim, Nooh Bakar and Akbariah Mohd Mahdzir
- 1570217900 *A Study on The Application of Web-Scale It In Enterprises in IoT Era*  
Hassan Keshavarz and Naoki Ohshima
- 1570217183 *Do Electronic Word of Mouth and Brand Image Have Relationship and Impact Towards Purchase Intention of Smartphone?*  
Irwan Shahrinaz
- 1570217241 *Sustainable Hazardous Waste Management in Malaysia*  
Wan Md Syukri Wan Mohamad Ali
- 1570213682 *Reconceiving Customer Involvement in Service Innovation and Competitive Advantage in Malaysian Mobile Service Provider*  
Ainul Mardhiyah Nor Aziz

### Concurrent Session 2 (16:30-18:10)

## 2-A: Management of Technology

- 1570214060 *Optimization Job Shop Manufacturing System Related to Lead Time and Cost Estimation in Competitive Bidding Environment*  
Emilda Sayuti
- 1570216597 *Human Talent Development Program in Malaysia by Global Project Based Learning Method*  
Naoki Ohshima, Tsuyoshi Koga, Yoshiyuki Matsuura and Ken Kaminishi
- 1570217082 *Audit Quality and Earnings Management Conceptual review*  
Mohammad Hosseini
- 1570217050 *Key Motivating Factors For Employees Retention: A Resource Based View*  
Tahir Akhtar; Mohamad Ali Tareq and Akbariah Mohd Mahdzir
- 1570227328 *Evaluation Method Of Product Development Project Based On Scenario Planning Method*  
Tsuyoshi Koga, Takao Eguchi, Junichi Morihira and Takeshi Matsuo

## 2-B: Mechanical Precision Engineering 1

- 1570216098 *Flow Simulation Around The Regenerator in The Traveling-Wave Thermoacoustic Engine*  
Daichi Terayama
- 1570215841 *Rralization of High Temperature Lubricating Properties of TiB2-MoS2 Composite Films*  
Masatoshi Arai
- 1570215208 *Modelling and Control of UAV using ArduPilot*  
Mitsuru Enomoto and Yoshio Yamamoto
- 1570215422 *Comfort Temperature In Air Conditioned Office Buildings: Case Study Of Indonesia And Singapore*  
Siti Aisyah Damiaty, Sheikh Ahmad Zaki Shaikh Salim, Hom Bahadur Rijal and Surjamanto Wonorahardjo
- 1570207379 *Optimization of Airtime Motion for Countour Parallel Machining*  
Rizauddin Ramli; Abdullah Haslina

## 2-C: Electronic Systems Engineering

- 1570232069 *Elucidation of Growth Enhancement Effect of Sprouts of Brassicaceae Using Low Pressure Oxygen Plasma*  
Reoto Ono, Nobuya Hayashi and Akira Kobayashi
- 1570216938 *A Study Of Automatic Gis Treatment Map Generation System For Variable-Rate Crop Fertilizer Application*  
Sohailah Safie, Fairol Zamzuri Che Sayuti, Noriyahtul Asikim Sofian and Rubiyah Yusof
- 1570215846 *Analysis on Flow around a Sphere under an Isothermal Condition at High Mach and Low Reynolds Number Flows*  
Takayuki Nagata; Taku Nonomura; Shun Takahashi; Yusuke Mizuno; Kota Fukuda
- 1570215901 *Implementation of ANFIS as Decelerating Assistance for DC Locomotives*  
Muhammad Aizuddin Ahmad
- 1570218038 *SVA Checker Generator For FPGA-Based Verification Platform*  
Nurita Mohamad, Chia Yee Ooi and Jwing Teh

## 2-D: Environment and Green Technology

- 1570217132 *The Effectiveness of Natural Coagulants in Water Treatment*  
Muhamad Ezral Ghazali, Megat Johari Megat Mohd Noor, Masa Goto and Komathy Selva Raj
- 1570217276 *Production of Soluble Protein From Rice Bran Under Hot Compressed Water Condition*  
Huwaina Haron
- 1570217192 *Performance Of PrekotAC As Filter Aids In Pilot Plant Fabric Filtration System*  
Nurnadia Andenan, Mohd Rashid Mohd Yusof, Siti Hajar Abd Rahim and Mohd Ammar Mohd Rashid
- 1570215125 *The Advanced Performance of Air-cooled Pac Adding External Cold Heat in Thailand*  
Takamasa Ooyama, Shuichi Ishii, Yoshihiko Mikami, Tatsunori Man'o, Nagato Hoshi, Naoto Koyasu and Satoru Kaneoya
- 1570214610 *Degradation of Persistent Endosulfan by Isolated Actinomycetes and Rhodococcus jostii, RHA1*  
Mok Kar Mun

## 2-E: Mechanical Precision Engineering 2

- 1570217182 *Comparison Between SVM and K-NN Machine Learning Algorithms in Early Disease Detection for Chicken Using Chicken's Excrement Images*  
Nurhanna Abdul Aziz, Mohd Fauzi Othman and Faridah Abd Rahman
- 1570216105 *Robust Outdoor Navigation of Wheeled Mobile Robot by Using Multiple Sensors*  
Yuya Nagayama and Yoshio Yamamoto
- 1570214969 *Experimental Modal Analysis of Vehicle Exhaust System to Determine Hanger Location Using Root Mean Square Value*  
Oo Kyaw Nyein, Aminudin Abu, Aung Lwin Moe and Asnizah Sahekhaini
- 1570231898 *Development Of An Alternating Electric Field Accelerator For Laser-Ablation Plasma Acceleration*  
Akihiro Osamura, Ryo Edamura and Hideyuki Horisawa
- 1570215078 *Modelling of Smart Controller for the Malaysian Car Suspension System*  
Mohamad Amiruddin Ismail, Pauziah Muhamad and Aminudin Abu

November 15 (Sunday)

Concurrent Session 3 (9:00-10:40)

**3-A: Management of Technology 1**

- 1570216317 *Understanding Cultural Influences on Corporate Governance Practices: Revisiting Hofstede's Theory*  
Habiba Ihlasuddini and Mohamad Ali Tareq
- 1570217271 *What You See Is Not What You Get: Revisiting Japanese Management Concepts And Its Effect To Leadership Of Creative Effort*  
Shazlinda Md Yusof and Rozhan Othman
- 1570217277 *A Proposal For An Integrated Marketing Framework For Emerging High Technologies*  
Rozita Shamsuddin and Akhbariah Mahdzir
- 1570215024 *Leadership Styles and Organizational Performance in Construction Industry in Malaysia*  
Megat Zuhairy Megat Tajuddin, Noraini Ismail and Hadijah Iberahim
- 1570227326 *Design Support Method Of Logical Structure Inside Mechatronics Product From Functional Design Stage*  
Tomoaki Ishikawa and Tsuyoshi Koga

**3-B: Mechanical Precision Engineering**

- 1570214961 *Experimental Varification of Mirror-Like Surface Finish For Mould Steel Using Developed Lapping System*  
Ahmad Aizuddin Abd Aziz, Aung Lwin Moe, Muhammad Faiz Wahab, Asri Mohamad Yusof and Nurul Farah Rosli
- 1570227330 *Variable Damping Force Valve Design Using Magnetorheological Fluid*  
Tsubasa Sasaki and Tsuyoshi Koga
- 1570217351 *Optimization of Ion Implantation Using Trim Software For The Formation of Shallow N+/P Junction in Germanium Substrate*  
Umar Abdullah Shukri, Nur Farhana Arissa Jonny, Siti Rahmah Aid, Hafizal Yahaya, Anthony Centeno, Satoru Matsumoto, Akira Uedono and David McPhail
- 1570217236 *Prediction Methodology for Transient Thermal Response of Solar Parabolic Trough Collector under Fluctuating Solar Radiation*  
Shye Yunn Heng and Tohru Suwa
- 1570213830 *Experimental Verification of Parameters in Automobile Crankshaft Modelling for Vibration Analysis*  
San Da Pyae Sone, Aung Lwin Moe, Aminudin Abu, Oo Kyaw Nyein and Zetty Rohaiza Mohd Sahak

### 3-C: Electronic Systems Engineering

- 1570216129 *Experimental Considerations on Iterative PCA Blind Image Restoration Method*  
Brian Sumali, Nozomu Hamada and Yasue Mitsukura
- 1570214240 *Non-polar Gallium Nitride Thin Film Grow On R-plane Sapphire Substrates By Low-pressure Metal-Organic Chemical Vapor Deposition*  
Kanji Yasui
- 1570216777 *Detection Strategy For Kidnapped Robot Problem In Monte Carlo Localization*  
Iksan Bukhori, Zool H Ismail and Toru Namerikawa
- 1570216134 *Altitude Control of a Quadrotor Based on an Adaptive Neural Network and Unified Bound*  
Mohamad Yani, Zool H Ismail and Matthew Dunnigan

### 3-D: Environment and Green Technology

- 1570217107 *Periphytic Algae as Biological Indicators of Water Quality in Drained Tropical Peatlands In Malaysia*  
Nhat Huynh
- 1570216948 *Impacts of Climate Change and Urbanization On Urban Drainage Systems: A Review*  
Vuthy EM, Masafumi Goto and Megat Johari bin Megat Mohd Noor
- 1570217184 *Green Synthesis of Silver Nanoparticle using Seaweed as the Stabilizer by Sonochemical Irradiation Method*  
Miftah Faried, Kamyar Shameli, Nurulbahiyah Ahmad Khairuddin and Mikio Miyake
- 1570217075 *Structure Prediction of Bromelain from Pineapples (Ananas Comosus) Using Procaricain Enzyme as A Modelling Template*  
Fatahiya Mohd Tap and Nurulbahiyah Ahmad Khairuddin
- 1570218384 *Solid Oxide Fuel Cell: An Overview*  
Mohd Fauzi Othman, Muhamad Farihin Bin Talib and Yussof Bin Wahab

### 3-E: Management of Technology 2

- 1570216298 *A Review of Performance Assessment Between Islamic Banks and Conventional Banks*  
Sieng Sokrith and Mohamad Ali Tareq
- 1570214999 *Automated Software Testing On Assisting Startup's Quality Control: A Research Conducted at Bukalapak.com*  
Raymond Sumargo
- 1570219813 *A Study On Technological Trend Forecasting By Link Mining Of Patent Information*  
Masashi Shibata and Masakazu Takahashi
- 1570217278 *A3 Methodology in Defect Management Process*  
Mohd Yusri Mohd Yusof and Nooh Abu Bakar
- 1570232668 *Cultural Distance From The Perspective Of Trust And Relationship In Cross-Borders Knowledge Transfer*  
Farah Hana Binti Mohd Ani, Yoshiuki Matsuura and Nguyen Huu Phuc

#### Concurrent Session 4 (11:00-12:40)

### 4-A: Management of Technology

- 1570216973 *A Review of Cross-Cultural Analysis on Energy Behaviour Consumption in Residential Building between Malaysia and Japan*  
Rajiv Mangruwa, Sheikh Ahmad Zaki Shaikh Salim and Akbariah Mahdzir
- 1570217180 *Risk Based Assessment Of Underground Storage Tanks In Petrol Station*  
Mohd Shamsuri Kkalid, Ahmad Rahman Songip and Nooh Bakar
- 1570217797 *Challenge To Explore Difficulties of System Requirement Definition on It Project*  
Shinobu Komai, Hamdani Saidi and Naoki Ohshima
- 1570215278 *A Review on the Effect of Job Stressors on Burnout*  
Reza Saleki, Nooh Abu Bakar, Mohammad Reza Hosseini and Neda Jalaliyoon
- 1570232673 *Establishing The Distinction Between Strategic Innovation And Business Model Innovation*  
Marshitah Tajudin, Yoshiyuki Matsuura and Nguyen Huu Phuc



#### 4-B: Mechanical Precision Engineering

- 1570227332 *Supporting Method For Conceptual Design Inspired From Digging Function Of The Creature*  
Keisuke Ushiro; Yu Yamamoto; Tsuyoshi Koga
- 1570215744 *Enhanced Light Absorption of Metals with Surface Asperity and Its Application To Radiative Energy Absorption*  
Masanori Suzuki, Toshifumi Yamamoto, Arata Ioki, Chen Yee Goh, S. Katsuyama and Toshihiro Tanaka
- 1570217176 *Performance Analysis of Adaptive Filter for Eye Blink Artifacts Removal in Electroencephalogram Signals*  
Faridah Abd Rahman, Mohd Fauzi Othman and Nurhanna Abdul Aziz
- 1570217351 *Optimization of Ion Implantation Using Trim Software For The Formation of Shallow N+/P Junction in Germanium Substrate*  
Umar Abdullah Shukri, Nur Farhana Arissa Jonny, Siti Rahmah Aid, Hafizal Yahaya, Anthony Centeno, Satoru Matsumoto,  
Akira Uedono and David McPhail
- 1570215045 *Investigation of Mirror-like Surface Finish in Optical Glass (BK7) Lapping*  
Muhammad Faiz Wahab, Aung Lwin Moe, Ahmad Aizuddin Abd Aziz, Asri Mohamad Yusof and Myintzu Phyo Aung

#### 4-C: Electronic Systems Engineering 1

- 1570215448 *The Effect of Vortex Flow of Magnetic Stirring on the Proliferation of Algae in Hydrogen Production*  
Azizi Miskon, Marcus Wai Kit Chong, Sobri Mohd Takriff and Siti Nooraya Mohd Tawil
- 1570215847 *Dynamic Spectrum Allocation for Cognitive Radio Ad hoc Network*  
Mahdi Zareei, Akm Muzahidul Islam, Nafees Mansoor and Sabariah Baharun
- 1570215040 *Simulation Methods of Normal-Mode Helical Antennas in Dielectric and Magnetic Materials*  
Nguyen Tuan, Yamada Yoshihide, Nguyen Quoc Dinh and Naobumi Michishita
- 1570215644 *Newly Designed Waveguide Probes for Ultrasonic Pulse-Echo Measurements*  
Mohd Foudzi Farhana and Ikuo Ihara
- 1570217187 *Brief Survey On Image Segmentation Techniques*  
Siti Nurasma Jalaludin, Norzaimah Asyikim Mohd Zaidi and Muhamad Kamal Mohammed Amin

#### 4-D: Electronic Systems Engineering 2

- 1570217232 *Morphological and Compositional Properties of Thermally Oxidized Ge(100) Substrate: Effects of Temperature and Time*  
Norani Ab Manaf, Abd Manaf Hasyim, Mohammad Anisuzzaman and Satoru Matsumoto
- 1570206707 *Development of Controller for Current Induced Ankle Foot Orthoses Based on Electromyography (EMG) Biosignal and Anale*  
Dimas Adiputra, Saiful Amri Mazlan, Hairi Zamzuri and Mohd Azizi Abdul Rahman
- 1570217120 *FFT Implementation on Optically Reconfigurable Gate Array*  
Ili Shairah Abdul Halim, Fuminori Kobayashi and Minoru Watanabe
- 1570184785 *Super Twisting Sliding Mode Control Scheme for an Autonomous Underwater Vehicle under External Perturbations*  
Vina Putranti and Zool H Ismail
- 1570214474 *Performance Evaluation of Supply Chain Management*  
Neda Jalaliyoon, Nooh Abu Bakar, Hamed Taherdoost and Reza Saleki