



RESEARCH INNOVATION COMMERCIALISATION & ENTREPRENEURSHIP SHOWCASE

RICES 2018 Results

Category A

Research Centre	Award
Centre for Digital Home	Silver
Centre for Electric Energy and Automation (CEEA)-	Bronze
Centre for Advanced Devices and Systems (CADS)	Silver
Centre for Wireless Technology (CWT)	Silver
Centre for Optical Fibres	Gold
Centre for Advanced Mechanical and Green Technology (CAMGT)	Silver
Centre for Remote Sensing and Surveillance Technologies	Silver
Center of Communication Systems and IC Design (CSID)	Silver
Centre for Engineering Computational Intelligence (CECI)	Bronze
Centre for Web Engineering (CWE)	Silver
Centre for e-Health	Gold
Centre for Visual Computing	Gold
Centre for Ubiquitous Computing and Communication (CUCC)	Bronze
Centre for Intelligent Cloud Computing (CICC)	Silver
Centre for Knowledge and Innovation Management (CEKIM)	Silver
Centre for Consumer Research and Education (CECORE)	Bronze
Centre for Business Excellence (CoBE)	Bronze
Centre for e-Services, Entrepreneurship and Marketing (CESEM)	Bronze
Centre for Interactive Media	Bronze
Centre for Islamic Digital Application & Content (CISDAC)	Bronze
Centre for Law and Technology	Bronze
CENTRE FOR SYARIAH LAW	Bronze

Category B

Research Project Title (Adjusted format)	PL with Salutation	Domain (please select one)	Award
A Novel Simulated Kalman Filter for Optimization Problems	Ms. Nor Hidayati Abdul Aziz	Engineering	Bronze
A Study on the Effects of Pinch Technique, Wrist Posture and Tactile Sensation on Pinch Force and Endurance	Mr. Jee Kian Siong	Engineering	Bronze
Algorithm and Scheme for Efficient Spectrum Utilization of 4G/5G D2D Communication	Dr. Mardeni bin Roslee	Engineering	Silver
Design and Development of PC and Mobile Based Colour Code with Data Encryption Security	Ir. Prof. Dr. Sim Kok Swee	Engineering	Gold
Design of Adaptive Fairness and QOS Provisioning Scheduler for LTE Networks (LTE QOS)	Ir. Dr. Pang Wai Leong	Engineering	Bronze
Design of Low-Power Silicon-on-insulator (SOI) Flash Analog-to-Digital Converter (A/D Converter) in 65nm CMOS Technology	Dr. Chinnaraj Munirathina Prabu	Engineering	Bronze
Development of Electro/Photochromic (EPC) Sensor	Assoc. Prof. Dr. Ir. Chan Kah Yoong	Engineering	Bronze
Development of High Endurance Drone for Landslide and Flood Monitoring	Assoc. Prof. Dr. Lim Tien Sze	Engineering	Silver
Development of Wireless Physical Layer Security in Cooperative Relay Networks	Dr. Azlan bin Abd Aziz	Engineering	Bronze
Fabrication Consideration on Laser-Based Fiber Optic Blanket for Neonatal Jaundice Treatment	Dr. S M Mukter Uz Zaman	Engineering	Gold

Fall Detection with Smart Floor Mat for Elderly Care	Dr. Yeo Boon Chin	Engineering	Gold
Forced Convective Heat Transfer in a Channel Partially Filled with Porous Medium under Local Thermal non-equilibrium Condition	Dr. Chen Gooi Mee	Engineering	Bronze
Fundamental Limitation of GaN and InN-based Gunn Diodes for Terahertz Signal Generation	Prof. Dr. Ong Doo Sheng	Engineering	Bronze
Fundamental research study of natural convection heat transfer from an array of discrete heat sources mounted in a rectangular enclosure	Mr. Lim Boon Kian	Engineering	Bronze
Fuzzy Logic Controller Based Solar Tracking System	Dr. Thangavel Bhuvaneswari	Engineering	Silver
Influence of Inert Fillers on Ionic Conductivity of PMMA Composite Polymer Electrolytes	Ms. Sun Cha Chee	Engineering	Bronze
Investigations on the Performance of Subterranean Electrode with Spikes for Earthing Systems	Dr. Nurul Nadia binti Ahmad	Engineering	Bronze
Living Plants Based Energy Harvester Hybridized with Solar Energy to Power Up Wireless Sensor Nodes for Environmental Monitoring Purpose	Mr. Chong Peng Lean	Engineering	Silver
Method of Detecting Brain Infarct at Early Stage for Computed Tomography	Ir. Prof. Dr. Sim Kok Swee	Engineering	Gold
Micro Structural Studies on Microwave Clad of Nickel on Stainless Steel	Dr. Palanisamy Chockalingam	Engineering	Silver

Modelling and Characterization of Novel Broadband Vibrational Energy Harvesting Mechanism via Bistable Nonlinear Multi-frequency Approach	Ms. Thong Li Wah	Engineering	Bronze
Morphological Interpolation on Digital Elevation Model (DEM)	Dr. Lim Sin Liang	Engineering	Bronze
Multilayer Neural Network for Breast Cancer Classification	Ir. Prof. Dr. Sim Kok Swee	Engineering	Silver
Multi-modal Platform for Image Noise Filtering Using Single Image Signal-to-Noise Ratio Estimation	Ir. Prof. Dr. Sim Kok Swee	Engineering	Silver
Nanostructured Magnetic Materials for Heavy Metal Ion Detection	Ms. Nisha Kumari A/p Devaraj	Engineering	Bronze
Natural Fibre Reinforced Plastic Composite Tubes for High Efficiency Vehicle (SEMA)	Mr. Saijod Lau Tze Way	Engineering	Bronze
Optical Fiber Amplifier for GPON Extender	Ms. Katrina D. Dambul	Engineering	Bronze
Optimisation of Correlation Methods for Multi-input System Identification	Assoc. Prof. Dr. Tan Ai Hui	Engineering	Bronze
Optimization of Cell Association and Load Balancing in Heterogeneous LTE-Advanced Cellular Networks	Prof. Dr. Chuah Teong Chee	Engineering	Bronze
Practical Interference Alignment Techniques with Reduced CSI Dependency for 5G and Beyond Wireless Communications	Dr. Ivan Ku	Engineering	Bronze
Predicting the Elastic Constants of Multi-layer High Density Interconnect Printed Circuit Board From Its Constituent Materials	Dr. Chee Kuang Kok	Engineering	Silver
Pure Gravitational Search Algorithm (PureGSA): A New Algorithm That is Truly Based on Newton's Law of Universal Gravitation	Dr. Nor Azlina Ab. Aziz	Engineering	Silver

Radio Frequency Electromagnetic Field Measurement of LTE Base Station	Ir. Dr. Wai Leong Pang	Engineering	Bronze
SPEC Based Latex Glove Protein Concentration Detection	Ir. Prof. Dr. Sim Kok Swee	Engineering	Gold
Thermal Analysis of Micro Heat Pipes of Convective Heat Sink	Assoc. Prof. Dr. Tio Kek Kiong	Engineering	Bronze
Three Dimensional Radio Propagation Modeling for Fixed Wireless Access	Ms. Noor Ziela Bt Abd Rahman	Engineering	Bronze
Time and Frequency Offset and Channel Estimation Algorithms for OFDM-based Vehicular Multi-Relay Networks	Prof. Dr. Mohamad Yusoff Bin Alias	Engineering	Silver
Tool Condition Monitoring Using Acoustic Emission	Dr. Joseph Emerson Raja	Engineering	Silver
Ubiquitous IOT assisted living with long range communication (LORAUbALIVE)	Dr. Ooi Chee Pun	Engineering	Bronze
Learning Analytics for Social Network Services(SNS)-Integrated Virtual Learning Environment	Dr. Chua Fang Fang	Information and Communication Technologies (ICT)	Silver
Logistic Regression Models for Malaysian Housing Loan Default Prediction	Dr. Foo Lee Kien	Information and Communication Technologies (ICT)	Silver
An Empirical Study of Cloud Computing Use, Documentation and Job Productivity for Service Level Agreements in Malaysia	Dr. Ho Sin Ban	Information and Communication Technologies (ICT)	Bronze
Smart Toilet	Dr. R Kanesaraj Ramasamy	Information and Communication	Silver

		Technologies (ICT)	
An Cell Simulator Using Achem	Mr. Goh Chien Le	Information and Communication Technologies (ICT)	Bronze
Bigfuse: Robust Big Data Analytics for Network Fault Prediction	Prof. Dr. Ho Chin Kuan	Information and Communication Technologies (ICT)	Silver
Fuzzy Complex Event Processing	Dr. Md. Jakir Hossen	Information and Communication Technologies (ICT)	Bronze
An Evolving Genotyping Model Based on Multilocus Variable Number Tandem Repeat Analysis for Mycobacterium Tuberculosis	Assoc. Prof. Dr. Tan Shing Chiang	Information and Communication Technologies (ICT)	Bronze
Smart Mobile Parking System for Outdoor Parking Zone	Dr. Goh Kah Ong Michael	Information and Communication Technologies (ICT)	Gold
Automated Markerless Analysis of Human Gait Motion for Security Surveillance	Dr. Lee Chin Poo	Information and Communication Technologies (ICT)	Silver

Large Scale Subject Independent Human Action Recognition Using Deep Learning	Dr. Lee Chin Poo	Information and Communication Technologies (ICT)	Bronze
Presentation In Control (iControl)	Dr. Lew Sook Ling	Information and Communication Technologies (ICT)	Gold
High Dimensional Feature Representation in Face Recognition	Dr. Pang Ying Han	Information and Communication Technologies (ICT)	Silver
SMS Sentiment Mining Application (TELSENSE 2.0 SMS)	Mr. Jaya Kumar Krishnan	Information and Communication Technologies (ICT)	Gold
Mykidbus: Smart School Bus Tracking System for School Kids	Mr. Liew Tze Hui	Information and Communication Technologies (ICT)	Bronze
Comparative Genomics and Microevolutionary Analysis of Mycobacterium	Mr. Tan Joon Liang	Information and Communication Technologies (ICT)	Bronze
Interactive Multimedia Math Learning Application for Kindergarten	Mr. Ibrahim bin Yusof	Information and Communication Technologies (ICT)	Bronze

Active Appearance Model and Histogram of Oriented Gradient for Age Estimation Through Face	Ms Chong Siew Chin	Information and Communication Technologies (ICT)	Silver
Utilising 2.5D Partial Face Data in Face Recognition System	Ms. Chong Lee Ying	Information and Communication Technologies (ICT)	Silver
The Framework of Part-based Object Tracking for Visual Surveillance	Ms. Ong Lee Yeng	Information and Communication Technologies (ICT)	Silver
Design and Analysis of Privacy-Providing Optimistic Fair Exchange	Prof. Dr. Heng Swee Huay	Information and Communication Technologies (ICT)	Silver
Rule-based Data Veracity Engine for Big Data	Dr. Guo Xiaoning	Information and Communication Technologies (ICT)	Silver
Bayesian Novelty Detection	Dr. Tan Yi Fei	Information and Communication Technologies (ICT)	Bronze

Design and Development of Unified Hotel Access Control System (UHAC)	Mr. Cheong Soon Nyeon	Information and Communication Technologies (ICT)	Bronze
Investigating Visual Hidden Challenges in Graphical Password Against Shoulder Surfing	Ms. Yvonne Kam	Information and Communication Technologies (ICT)	Silver
Location Profiling and Analytics Engine (LOCATIC)	Assoc. Prof. Dr. Ting Choo Yee	Information and Communication Technologies (ICT)	Silver
IoT-enabled Smart Outdoor Parking System (i-SOPS)	Mr. Cheong Soon Nyeon	Information and Communication Technologies (ICT)	Gold
Driver Alert System: Fatigue Attentive Tools (FATs)	Assoc. Prof. Dr. Kalaiarasi Sonai Muthu	Information and Communication Technologies (ICT)	Gold
Design and Analysis of DDOS Attack-Aware Software-Defined Network Controller Placement	Dr. Tan Saw Chin	Information and Communication Technologies (ICT)	Silver
Business Intelligent - Digital Assistants (TMassist) for Internal Customers	Assoc. Prof. Dr. Kalaiarasi Sonai Muthu	ICT	Silver

Unsupervised 3D Model Features Learning for Semantic Segmentation	Dr. Ng Kok Why	Multimedia	Silver
Bridging the Physical and Digital Divide in Local Museums to a Mobile Augmented Reality and Quick Response Code System	Dr. Khong Chee Weng	Multimedia	Silver
Portable Multi-purpose and Reconfigurable 3D Photogrammetry Scanning Array System (Multi3DScan)	Ms. Tenku Putri Norishah T. Shariman	Multimedia	Bronze
The Readiness of MMU Community Towards the Implementation of Blended Learning	Dr. Hawa Rahmat	Social Sciences	Silver
Doing Facework: A Study of Intercultural Communication Between Staff and Students at International Office's Service Counter	Dr. Ong Sue Lyn	Social Sciences	Bronze
Meeting the Needs of the Employer : Employability Skills of MMU Graduates	Dr. Sareen Kaur Bhar	Social Sciences	Silver
Tahap Patriotisme Dan Kesepaduan Sosial Pelajar Dalam Kalangan Mahasiswa	Ms. Rohaidah Mashudi	Social Sciences	Bronze
Model for Local Celebrity Classification for Advertising	Dr. Azman Bidin	Social Sciences	Silver
Building Sustainable Film Businesses: The Challenges of Independent Film Production in Malaysia	Dr. Vimala Perumal	Social Sciences	Gold
Teenagers Obsession and Lifestyle Through Digital Painting Expression	Mr. Hanafiah Waiman	Social Sciences	Bronze
Developing Collaborative Interaction Framework for eReminder Aid for Elderly	Ms. Wong Chui Yin	Social Sciences	Bronze
Use and Disposal of Mobile Phones Among University Students	Ms. Ho Sew Tiep	Social Sciences	Silver

A Framework of Anthropomorphic Agent for Social Presence on E-Commerce Website	Ms. Tan Su-mae	Social Sciences	Silver
The Declining of Students' Intake: What Stakeholders' View on MMU?	Dr. Hj Mohd Nazri Bin Hj Mohd Noor	Social Sciences	Silver
Equipment Lifecycle Management: Modelling Information and Communication Technology Waste (ICT-waste) Recycling Behaviour of MSC Malaysia Status Companies	Dr. Ng Tuan Hock	Social Sciences	Bronze
Literacy for Social Inclusion Programme: Kampung Orang Asli Kampung Kachau Luar, Semenyih and Kampung Orang Asli Kampung Gabai, Dusun Tua, Hulu Langat, Selangor	Dr. Ong Puay Tee	Social Sciences	Silver
Effect of Microfinance Services on Socio-Economic Welfare of Urban Vulnerable Households in Malaysia	Dr. Solarin Sakiru Adebola	Social Sciences	Bronze
Developing a Framework for Work-Family Conflict of SME Women Entrepreneurs in Malaysia	Dr. Wendy Teoh Ming Yen	Social Sciences	Bronze
A Model for Human Error Prediction as Function of Emotional Intelligence and Mental Workload in Manufacturing Industries	Dr. Yeow Jian Ai	Social Sciences	Bronze
Training Needs Analysis (TNA) for the Development of: "MMU's Research and Innovation Trainings"	Mr. Afandi Bin Yusof	Social Sciences	Bronze
The Effects of Cultural Intelligence in Affecting Employees' Job Performance: the Mediating Role of Affecting Commitment	Mr. Goh Choon Yih	Social Sciences	Bronze

Crafting Religious Coop's Strategic Governance Model and Success Factors Ascertainment	Mr. Md Shukor Bin Masuod	Social Sciences	Bronze
The Relevance of Investment Anomalies in Investment Behavior: The Evidence on Survey and Experiments	Mr. Mohammad Tariqul Islam Khan	Social Sciences	Bronze
Sadaqah Funds Management Practice	Mr. Mohd Ariff Mustafa	Social Sciences	Bronze
Where History Comes Alive: Augmented Reality (AR) Mobile Application for the People's Museum, Melaka	Mr. Tan Gek Siang	Social Sciences	Gold
Students' Perception of Blended Learning	Ms. Kerk Peck Hoon	Social Sciences	Bronze
Ensiklopedia Kehakiman Malaysia	Dr. Manique Cooray	Social Sciences	Silver
Perpetrators of Credit Cards: Criminal Perspectives in Malaysia and India	Dr. Martin Flora	Social Sciences	Bronze
Current State of Services Ombudsman in Malaysia	Dr. Bahma Sivasubramaniam	Social Sciences	Bronze
Configuring Malaysian Behaviours and Personalities to Stay Fit Through Functional Food Consumption	Dr. Hasliza Binti Hassan	Social Sciences	Bronze
Modelling Innovative Capability of Small & Medium Enterprises in Malaysia	Dr. Intan Soraya Rosdi	Social Sciences	Bronze
Overcoming Poor Research Productivity in Malaysian Universities: A University Knowledge Sharing Protocol (UKSP)	Dr. Kwan Jing Hui	Social Sciences	Bronze
A Model of Workplace Deviant Behaviour in the Malaysian Hotel Industry	Dr. Mazni Alias	Social Sciences	Bronze
Develop the Digital Literacy Framework for Higher Education Sector in Malaysia	Dr. Nasreen Khan	Social Sciences	Bronze
The Study on the Impact of MFRS 10 Consolidated Financial Statement, MFRS 11 Joint Arrangements and MFRS 128 Investments in Associates and Joint Ventures on Consolidated	Dr. Nik Mohamad Zaki Nik Salleh	Social Sciences	Bronze

Financial Statements of Malaysian Companies			
Modelling Islamic Microfinance Participation Among Women Entrepreneurs of Micro-Enterprises in Malaysia	Dr. Seethaetchumy Thambiah	Social Sciences	Bronze
Tax Awareness and Tax Knowledge of Students At Secondary School Level in Malaysia	Dr. Sellywati Mohd Faizal	Social Sciences	Silver
Generation- C and Work Life Balance: Role of Information System Quality	Dr. Sharmini Gopinathan	Social Sciences	Silver
Cyberloafing and Job Productivity for ICT Knowledge Workers in Malaysia	Dr. Soh Chin Hooi	Social Sciences	Silver
A Model of Tourists, Expatriates and International Retirees in Malaysia	Dr. Tan Chuie Hong	Social Sciences	Bronze
A Sustainable Framework of Heritage Tourism (mini Fund 2016/17); Enhanced Creativity Indicators in Cultural Businesses (frgs 2014/2)	Dr. Tan Siow Kian	Social Sciences	Silver
An Improved Framework for Shareholders Value Creation and Maximisation Malaysian Public Listed Companies	Dr. Yap Voon Choong	Social Sciences	Silver
Modelling the Role of Social Capital in Reducing Poverty Incidence in Urban and Rural Malaysia Using the Generalised Ordered Logit Model	Dr. Yvonne Lee Lean Ee	Social Sciences	Gold
The Effects of Risk Management and Internal Control Information Disclosure on Earnings Quality in Malaysia	Mr. Haslin Binti Johari	Social Sciences	Bronze

Modelling Antecedents of Agropreneurship Intention Among Youths in Malaysia	Mr. Mohd Fairuz Bin Abd Rahim	Social Sciences	Gold
Engaging Industry Experts in Online Scaffolding: A New Model for Empowering Learners in Problem Solving	Ms. Aznur Hajar Abdullah	Social Sciences	Gold
Evaluation of Stock Market Risk and Efficient Market Hypothesis in Malaysia Using GARCH and EVT	Ms. Nor Azliana Aridi	Social Sciences	Silver
From PERS To MPSAS: The Implications to Federal Statutory Bodies in Malaysia in Strengthening the Financial Reporting Quality	Ms. Norzarina Binti Md Yatim	Social Sciences	Silver
Development of a Model to Measure Employees' Tendency Level to Work-At-Home	Ms. Nurul Nadia Nordin	Social Sciences	Silver
Measurement of Tax Aggressiveness for Public Listed Firms in Malaysia	Ms. Rapiah Mohd Zaini	Social Sciences	Silver
The Impact of Varying Input Models on Copula Parameter and Var Estimations	Ms. Ruzanna Ab Razak	Social Sciences	Silver
Factors Relating to Declining Student Intake in Multimedia University (MMU) Cyberjaya	Dr. Arnifa Binti Semawi @ Asmawi	Social Sciences	Silver
Barriers to Flexible Work Arrangements (FWA) in Malaysian Knowledge-Based Industries	Dr. Arnifa Binti Semawi @ Asmawi	Social Sciences	Silver
Rapid Appraisal	Dr. Alan Downie	Social Sciences	Gold

Category C-SEED

Project Title	PL	Award
Environmentally Friendly Board Game	Dr. Tan Booi Chen, Dr. Junainah, & Dr. Jimmy Low	Gold
Environmental Law	Francis Augustine Soosay	Bronze
Awareness on Impact of Advancement in Technology	Nun Shwu Huey	Silver
Information Systems Audit	Dr Neo Han Foon & Dr Tee Connie	Silver
Social Media Public Relations Campaign	Suhana Mohamed Salleh	Bronze
Cinematic Art Design Project 1 (FYP)	Amir Shahlan Amiruddin	Gold
Media Arts FYP and Urbanscapes Collaboration Project	Dr Lim Kok Yoong	Silver
Islamic Family Law	Asfarina Kartika Shakri	Silver
Company Law I	Putri Syaidatul Akma binti Mohd Adzmi	Silver
Entrepreneurship	Dr. Ong Jeen Wei	Bronze
Market Testing & Merchandising for Animation IPs	Dzulhafidz Dzulkifli	Silver
Virtual Reality Design 3	Dendi Permadi	Gold

Category C-STA/SPIN

STARUP/SPIN-OFF TEAM	FOUNDER	Award
Pogo: Jar of Guilt	Dion Chua Lok Yan	Bronze
Artwist	Mohd Bostami Ahmad	Silver
Scroll	Anuar Hassan	Silver
Grounding Services Sdn Bhd (GSSB)	Dr. Normiza Mohamad Nor	Bronze
Selat Nusantara Boardgame	Abdul Aziz Sumairi	Bronze
Inspire Me	Suhana Mohd Salleh	Bronze
iSPARKS: IoT-enabled Smart Parking System	Cheong Soon Nyeon	Bronze
ITrackU 2.0	Tenku Putri Tenku Shariman	Bronze
Buru	Nurfarah Hannah Binti Mohd Fuad	Silver
D-TECH SEARCH	Hamdee Madeeyoh	Bronze
Helplaa	Kelvin Lee Chin Hue	Bronze

Category D

PROJECT TITLE	PL	Award
An Employee Retention Framework with Workplace Spirituality for job-hopping prevention amongst the Gen Y	Vincent Oh	Bronze
Nurturing the Entrepreneurial Spirit: AGORA Young Agropreneur Programme	Mohd Fairuz bin Abd Rahim	Silver
Afterclass Corner	Siti Zakiah Binti Melatu Samsi	Silver
Jom Seronoknya Belajar	Nalini Pragasam	Bronze
Program Komuniti Penuaan –intergenerasi “Kasihku Tanah Airku”	Dr Olivia Tan Swee Leng	Gold
Cultural Mapping & Creation of Digital Content about Melaka	Nun Shwu Huey	Silver
FCA Showcase 2018	Amir Shahlan	Bronze