

Seq	Manuscript number	Title	Track name	Authors with affiliation and country	Presenters: full names	Presenters: EDAS IDs
1	1570800425	KT Driving Cycle Data Collection and Development Using MATLAB Mobile Application	TRACK 8: GREEN ELECTRONICS	Salisa Abdul Rahman (Universiti Malaysia Terengganu, Malaysia)	Salisa Abdul Rahman	230433
2	1570802721	High Linearity Multi-Band CMOS Low Noise Amplifier at 2.4/3.5 GHz for 4G/5G Applications	TRACK 9: ANALOG & DIGITAL DESIGN	Sohiful Anuar Bin Zainol Murad, Faizah Abu Bakar and Anishaziela Azizan (Universiti Malaysia Perlis, Malaysia); Ahmad Fariz Hasan (Universiti Malaysia Perlis & UNIMAP, Malaysia); Arjuna Marzuki (Wawasan Open University, Malaysia)	Sohiful Anuar Zainol Murad	367773
3	1570805438	Employing Derivatives for Creating Texture Masks for Digital Images	TRACK 2: SIGNAL & IMAGE PROCESSING	Taha Basheer Taha (Tishk International University, Iraq); Ruzelita Ngadiran (Universiti Malaysia Perlis & Centre of Excellence Advanced Computing (ADVCOMP), UniMAP, Malaysia); Dujan Taha (Mosul University, Iraq)	Taha Taha	1373861
4	1570806469	Virtual Fabrication in Modelling 14nm Horizontal Double Gate Bilayer Graphene FET NMOS/PMOS	TRACK 6: MICRO/NANO-ELECTRONIC	Nur Hazwani Naili Binti Mohd Nizam (Universiti Teknikal Malaysia Melaka (UTeM), Malaysia)	Nur Hazwani Naili Mohd Nizam	1947020
5	1570807530	Performance Analysis of Coordinated Multi-Point (CoMP) with Energy Trading and Management in Green Cloud RAN	TRACK10: COMMUNICATION & BIG DATA	Lyana Izzati Mohd Asri, Wan Nur Suryani Firuz Wan Ariffin, Aini Syuhada Md Zain and Nazatul Syima Saad (Universiti Malaysia Perlis, Malaysia)	Lyana Izzati Mohd Asri	1836964
6	1570808827	Observations on Big Data Concerning Storage and Security Management	TRACK10: COMMUNICATION & BIG DATA	Md. Manzurul Hasan, Shaulin Ali and Faisal Mahmood (American International University-Bangladesh, Bangladesh); Shahadat Hossain (City University, Bangladesh); Md Mahmudur Rahman (Bangabandhu Sheikh Mujibur Rahman Aviation and Aerospace University, Bangladesh); Mimun Barid (University of South Asia, Malaysia)	Md. Manzurul Hasan	1953703
7	1570811035	Optimization and Analysis of FPGA-Based Systolic Array for Matrix Multiplication	TRACK 9: ANALOG & DIGITAL DESIGN	Ahmad Husni Mohd Shapri, Norazeani Abdul Rahman and Syed Muhammad Mamduh Syed Zakaria (Universiti Malaysia Perlis, Malaysia); Shakir Saat (Universiti Teknikal Malaysia Melaka, Malaysia)	Ahmad Husni Mohd Shapri	535222
8	1570811199	Design and Implementation of Bluetooth Microcontroller in System-On-Chip (SoC)	TRACK 4: EMBEDDED SYSTEM & SOC	Hang Suan Wang (University Malaysia Perlis, Malaysia); Asral Bahari Jambek (Universiti Malaysia Perlis, Malaysia); Zulfiqar Abdul Aziz (Collaborative Microelectronic Design Excellence Centre, Malaysia); Mohd. Nazrin Md Isa (Universiti Malaysia Perlis, Malaysia); Azizi Harun (University Malaysia Perlis (UNIMAP), Malaysia); Shaiful Nizam Mohyar (Universiti Malaysia Perlis, Malaysia)	Asral Bahari Jambek	526332
9	1570811201	Low-Power Bluetooth Microcontroller Design Using Clock Gating and Gray Code State Encoding	TRACK 4: EMBEDDED SYSTEM & SOC	Hang Suan Wang (University Malaysia Perlis, Malaysia); Asral Bahari Jambek (Universiti Malaysia Perlis, Malaysia); Kean Hong Boey (Intel Corporation, Malaysia); Rizalafande Che Ismail (Universiti Malaysia Perlis & Albukhary International University, Malaysia); Fazrul Faiz Zakaria (Universiti Malaysia Perlis (UniMAP) & Centre of Excellence Advanced Computing, Malaysia)	Asral Bahari Jambek	526332
10	1570814841	Average to Minimum Power Ratio Reduction Technique for Zero Crossing Bandwidth Expansion in Outphasing Power Amplifier	TRACK 2: SIGNAL & IMAGE PROCESSING	Somayah Mohammady (Technological University Dublin, Ireland)		
11	1570817048	Identification of Habitual Smokers Through Speech Signal	TRACK 2: SIGNAL & IMAGE PROCESSING	Vikneswaran Vijean, Ragunathan Santiago, Ahmad Abdul Ghapar, Mohammed Syakirah Afiza, Razi Ahmad and Wan Ahmad Wan Amiza Amneera (Universiti Malaysia Perlis, Malaysia)	Vikneswaran Vijean	661817
12	1570818061	Application of SARIMA Model in Forecasting Vegetable Price in Malaysia: E-Commerce Platform Domain	TRACK 1: ARTIFICIAL INTELLIGENCE	Kar Yan Choong, Suhizaz Sudin and Rafikha Aliana Raof (Universiti Malaysia Perlis, Malaysia); Rhui Jaan Ong (University of Malaysia Perlis, Malaysia); Azremi Abdullah Al-Hadi (University Malaysia Perlis, Malaysia); Yasmin Yacob (University of Malaysia Perlis, Malaysia)	Kar Yan Choong	1789672
13	1570818062	Dynamic Web-Based Knowledge Management System (KMS) in Small Scale Agriculture	TRACK 1: ARTIFICIAL INTELLIGENCE	Rhui Jaan Ong (University of Malaysia Perlis, Malaysia); Suhizaz Sudin, Rafikha Aliana Raof and Kar Yan Choong (Universiti Malaysia Perlis, Malaysia); Azremi Abdullah Al-Hadi (University Malaysia Perlis, Malaysia); Yasmin Yacob (University of Malaysia Perlis, Malaysia)	Rhui Jaan Ong	1789660
14	1570818263	Power-Shortage Model with Energy Trading in Green Cloud RANs	TRACK10: COMMUNICATION & BIG DATA	Nazatul Syima Saad, Junita Mohd Nordin, Wan Nur Suryani Firuz Wan Ariffin and Lyana Izzati Mohd Asri (Universiti Malaysia Perlis, Malaysia)	Nazatul Saad	1836895
15	1570818480	Design of Low Power Wallace Tree Multiplier Using Modified Full Adder	TRACK 9: ANALOG & DIGITAL DESIGN	Ahmad Fariz Hasan (Universiti Malaysia Perlis & UNIMAP, Malaysia); Sohiful Anuar Bin Zainol Murad, Faizah Abu Bakar and Mohd Fikri Che Husin (Universiti Malaysia Perlis, Malaysia); Rohana Sapawi (Faculty of Engineering UNIMAS, Malaysia)	Ahmad Fariz Hasan	794885
16	1570818841	Double Layer Controller for Distributed Software Defined Network in Mitigating Cyber Attacks	TRACK 3: INTERNET OF THINGS	Naimah Yaakob (Universiti Malaysia Perlis, Malaysia); Man Yee Wong (University Malaysia Perlis, Malaysia); Mohd Rashidi Che Beson (Advanced Communication Eng, Centre of Excellence & School of Computer and Communication Eng, Malaysia); Badlishah R Ahmad (Universiti Malaysia Perlis & Center of Excellence Advanced Computing Universiti Malaysia Perlis, Malaysia); Nur Idawati Md Enzai (Universiti Teknologi MARA & Dungun Campus, Malaysia)	Man Yee Wong	1893568
17	1570818886	Wheeled Wall Climbing Robot with Suction Chamber: Building Process and Analysis	TRACK 8: GREEN ELECTRONICS	Florence Gnana Poovathy John (Vellore Institute of Technology, India)	Florence Gnana Poovathy John	1156931
18	1570818911	IoT Based Water Consumption Management System via Low Power Wide Area Network	TRACK 3: INTERNET OF THINGS	Zainal Hisham Che Soh (Universiti Teknologi MARA, Malaysia)	Zainal Hisham Che Soh	313897

19	1570819041	Dual Band Low Noise Amplifier: A Review Analysis	TRACK 9: ANALOG & DIGITAL DESIGN	Anishaziela Azizan and Sohiful Anuar Bin Zainol Murad (Universiti Malaysia Perlis, Malaysia); Asrulnizam Abd Manaf (Universiti Sains Malaysia, Malaysia)	Anishaziela Azizan	1144243
20	1570819180	An IoT-Based Automated Gate System Using Camera for Home Security and Parcel Delivery	TRACK 3: INTERNET OF THINGS	Mohd Wafi Nasrudin (Universiti Malaysia Perlis, Malaysia)	Mohd Wafi Nasrudin	929313
21	1570819400	Numerical Analysis of the Piezoelectric Cantilever Parameter Properties for Energy Harvester	TRACK 8: GREEN ELECTRONICS	Nor Farisha Izzati bt Kholid (Universiti Malaysia Perlis, Malaysia)	Nor Farisha Izzati bt Kholid	1962651
22	1570819487	Stationary Entanglement in Hybrid Optomechanical Systems	TRACK 7: OPTIC & PHOTONICS	Fatin Nadiah Yusoff (Universiti Malaysia Perlis, Kangar, Perlis, Malaysia); Norshamsuri Ali (Mimos Berhad & Universiti Malaysia Perlis (UNIMAP), Malaysia)	Fatin Yusoff	1965050
23	1570819519	Development of Universal OCDMA DW Code Family Equation and Structure	TRACK 7: OPTIC & PHOTONICS	Syed Mohammad Ammar Syed Alwee Aljunid (UniMAP, Malaysia); Norshamsuri Ali (Mimos Berhad & Universiti Malaysia Perlis (UNIMAP), Malaysia); Syed Alwee bin Syed Junid (Computer and Communication Engineering, University Malaysia Perlis, Malaysia); Rosdisham Endut (Universiti Malaysia Perlis, Malaysia)	Syed Mohammad Ammar Syed Alwee Aljunid	1898052
24	1570819523	Traffic Engineering Provisioning of Multipath Link Failure Recovery in Distributed SDN Controller Environment	TRACK10: COMMUNICATION & BIG DATA	Virakwan Hai Kelian (Universiti Malaysia Perlis, Malaysia); Mohd Nazri Mohd Warip (UNIMAP, Malaysia); Phaklen Ehkan (Universiti Malaysia Perlis, Malaysia); Badlishah R Ahmad (Universiti Malaysia Perlis & Center of Excellence Advanced Computing Universiti Malaysia Perlis, Malaysia); Fazrul Faiz Zakaria (Universiti Malaysia Perlis (UniMAP) & Centre of Excellence Advanced Computing, Malaysia); Mohd Zaizu Ilyas (Universiti Malaysia Perlis, Malaysia)	Virakwan Hai Kelian	1965380
25	1570819537	The Extraction of Gate Oxide Thickness on Silicon Carbide Wide-Bandgap Material Using Thermal Oxidation Based Regression Techniques for High Power Applications	TRACK 6: MICRO/NANO-ELECTRONIC	Banu Poobalan, Nurailia Syahida Hashim and Nor Farhani Zakaria (Universiti Malaysia Perlis, Malaysia); Manikandan Natarajan (AIMST University, Malaysia); Safizan Shaari (Universiti Malaysia Perlis, Malaysia)	Nurailia Syahida Hashim	1965414
26	1570819588	A Short Review on Image Fusion Techniques Based on Optimization Algorithms	TRACK 2: SIGNAL & IMAGE PROCESSING	Nirmala Paramanandham (Vellore Institute of Technology, India); Rajendiran Kishore (SSN College of Engineering, India); Balaji Venkatachalam Rajarajan and Florence Gnana Poovathy John (Vellore Institute of Technology, India)	Nirmala Paramanandham	1005775
27	1570819605	Woodball Swing Events Detection Using Recursive Least Square Method	TRACK 2: SIGNAL & IMAGE PROCESSING	Nur Sakinah Mohd Hisam (Faculty of Electronic Engineering Technology, Malaysia); Ahmad Faizal Salleh (UniMAP, Malaysia); Mohd Yusoff Mashor (UNIMAP, Malaysia)	Nur Sakinah Mohd Hisam	1868821
28	1570819614	Case Study of LoRaWAN-Based Smart Elements in Urban Environment	TRACK 3: INTERNET OF THINGS	Syed Muhammad Mamduh Syed Zakaria (Universiti Malaysia Perlis, Malaysia); Ammar Zakaria (Universiti Malaysia Perlis (UNIMAP) & Centre of Excellence for Advanced Sensor Technology (CEASTech), Malaysia); Latifah Munirah Kamarudin (University Malaysia Perlis, Malaysia); Retnam Visvanathan (Center of Excellence for Advanced Sensor Technology, Malaysia); Yuzairi Abdul Rahim (Centre of Excellence for Advanced Sensor Technology, Malaysia); Noraini Azmi (Universiti Malaysia Perlis, Malaysia)	Syed Muhammad Mamduh Syed Zakaria	1675833
29	1570819644	Design and Deployment of LoRaWAN Smart Streetlight for Smart City	TRACK 3: INTERNET OF THINGS	Syed Muhammad Mamduh Syed Zakaria (Universiti Malaysia Perlis, Malaysia); Ammar Zakaria (Universiti Malaysia Perlis (UNIMAP) & Centre of Excellence for Advanced Sensor Technology (CEASTech), Malaysia); Latifah Munirah Kamarudin (University Malaysia Perlis, Malaysia); Retnam Visvanathan (Center of Excellence for Advanced Sensor Technology, Malaysia); Yuzairi Abdul Rahim (Centre of Excellence for Advanced Sensor Technology, Malaysia); Noraini Azmi, Nurul Safirah Mohammad and Kamarulzaman Kamarudin (Universiti Malaysia Perlis, Malaysia)	Syed Muhammad Mamduh Syed Zakaria	1675833
30	1570819651	A Rotation and Scale Robust Texture Recognition Using Moment Features and Neural Network	TRACK 2: SIGNAL & IMAGE PROCESSING	Yukinobu Miyamoto (Kobe Gakuin University & Kobe Institute of Computing, Japan)	Yukinobu Miyamoto	1218579
31	1570819775	Contactless Mask Dispenser for Pandemic Period	TRACK 9: ANALOG & DIGITAL DESIGN	Nirmala Paramanandham, Sanchit Jain, Soumik Kabiraj, Sidhant Singh and Florence Gnana Poovathy John (Vellore Institute of Technology, India)	Sanchit Jain; Soumik Kabiraj; Sidhant Singh	1965654; 1965655; 1965656
32	1570821553	Multi Faces Recognition Using Deep Learning Approach	TRACK 2: SIGNAL & IMAGE PROCESSING	Marni Azira Markom, Kristine Chin Sze Wen, Abdul Hamid Adom and Erdy Sulino Mohd Muslim Tan (Universiti Malaysia Perlis, Malaysia); Arni Munira Markom (Universiti Teknologi MARA (UiTM) Johor, Malaysia)	Marni Azira Markom	647451
33	1570821558	Image Data Compression Using Fast Fourier Transform (FFT) Technique for Wireless Sensor Network	TRACK 2: SIGNAL & IMAGE PROCESSING	Mohd. Nazrin Md Isa (Universiti Malaysia Perlis, Malaysia); Mohd Hafiz Haron (University of Malaysia Perlis, Malaysia); Muhammad Imran Ahmad (Universiti Malaysia Perlis & School of Computer and Communication Engineering, Malaysia); Mohamad Azuan Bin Mohamed Arshad (Polytechnic METrO Tasek Gelugor, Malaysia); Azizi Harun (Universiti Malaysia Perlis (UNIMAP), Malaysia); Shaiful Nizam Mohyar and Asral Bahari Jambek (Universiti Malaysia Perlis, Malaysia); Rizalafande Che Ismail (Universiti Malaysia Perlis & Albukhary International University, Malaysia); Siti Zarina Md Naziri and Razaidi Hussin (Universiti Malaysia Perlis, Malaysia)	Mohd Haron	1868936
34	1570821598	Vacant Parking Guidance for Open Parking Area via Image Processing Technique	TRACK 2: SIGNAL & IMAGE PROCESSING	Suhana Sulaiman (Universiti Teknologi MARA, Malaysia)	Suhana Sulaiman	434775

35	1570821601	Electrocoagulation System for Palm Oil Mill Effluent	TRACK 4: EMBEDDED SYSTEM & SOC	Suhana Sulaiman, Azilah Saparon and Mirza Syazwina Maizan (Universiti Teknologi MARA, Malaysia)	Azilah Saparon	392569
36	1570822527	Smart Fall Detection Monitoring System Using Wearable Sensor and Raspberry	TRACK 3: INTERNET OF THINGS	Lim Chee Chin, Nur Fazilah Amirah Mahmud and Vikneswaran Vijejan (Universiti Malaysia Perlis, Malaysia); Yusnita Mohd Ali (Universiti Teknologi MARA Malaysia, Malaysia); Ahmad Faizal Salleh (UniMAP, Malaysia)	Lim Chee Chin	1188641
37	1570822674	Simulation Analysis of Hybrid Fiber and Radio over VLC System at Various Propagation Distance and Data Rate	TRACK 7: OPTIC & PHOTONICS	Norizan Mohamed Nawawi (Optical Research Group, Advanced Communication Engineering Centre of Excellence (ACE-COE) & School of Computer & Communication Engineering, Universiti Malaysia Perlis (UNIMAP), Malaysia); Vaideswari Moorthy (Universiti Malaysia Perlis, Malaysia)	Vaideswari Moorthy	1968959
38	1570822974	Simulation of Comb Drive Actuators	TRACK 6: MICRO/NANO-ELECTRONIC	Shazlina Johari (Universiti Malaysia Perlis (UniMAP) & Advanced Multidisciplinary MEMS-Based Integrated Electronics NCER Centre Of Excellence (AMBIENCE), Malaysia)	Shazlina Johari	390641
39	1570823217	A Review: Outdoor Visible Light Communication on Modulation and Receiver Denoising Scheme	TRACK10: COMMUNICATION & BIG DATA	Norzalina Othman (Universiti Kuala Lumpur Malaysia Spanish Institute, Malaysia); Mohd Rashidi Che Beson (Advanced Communication Eng, Centre of Excellence & School of Computer and Communication Eng, Malaysia); Syed Alwee Aljunid and Rosdsham Endut (Universiti Malaysia Perlis, Malaysia)	Norzalina Othman	1383444
40	1570823285	An Enhancement and Edge Detection Approach on Cervical Cytology Images	TRACK 2: SIGNAL & IMAGE PROCESSING	Wan Azani Mustafa (Universiti Malaysia Perlis, Malaysia); Aminudin Jamlos (Advanced Communication Engineering (ACE) Centre, Malaysia); Mohd Wafi Nasrudin (Universiti Malaysia Perlis, Malaysia)		
41	1570823494	Feasibility Study of Seven-Level Two-Stage Cascaded Switch-Diode Multilevel Inverter Under Different Inductive Loads	TRACK 8: GREEN ELECTRONICS	Wui Ven Yong and Yee Wei Sea (Universiti Malaysia Perlis, Malaysia); Siok Lan Ong (Unimap, Malaysia); Jenn Hwai Leong (Universiti Malaysia Perlis, Malaysia)	Wui Ven Yong	1817679
42	1570823509	Five-Phase Multilevel Inverter with Reduced Number of Power Semiconductor Switches Controlled Using PSO-SHMPWM	TRACK 8: GREEN ELECTRONICS	Wui Ven Yong and Wei Tik Chew (Universiti Malaysia Perlis, Malaysia); Siok Lan Ong (Unimap, Malaysia); Yee Wei Sea and Jenn Hwai Leong (Universiti Malaysia Perlis, Malaysia)	Wui Ven Yong	1817679
43	1570824485	Performance Analysis of a Hybrid WDMA-OCDMA System Based on 2D ZCC/MD Spectral/Spatial Code over MMF by Using Laguerre Gaussian Modes	TRACK10: COMMUNICATION & BIG DATA	Junita Mohd Nordin and Syed Alwee Aljunid (Universiti Malaysia Perlis, Malaysia); Rima Matern (University of Malaysia Perlis, Malaysia)	Rima Matern	1506568
44	1570824570	Virtual Teaching Assistant for Undergraduate Students Using Natural Language Processing & Deep Learning	TRACK 1: ARTIFICIAL INTELLIGENCE	Sadman Jashim Sakib (Brac University, Bangladesh)	Sadman Jashim Sakib	1971197
45	1570824603	Enhancement Receiver Sensitivity Under Heavy Attenuation Effect for FSO System via Double Transmission Technique	TRACK 7: OPTIC & PHOTONICS	Rosdsham Endut and Syed Alwee Aljunid (Universiti Malaysia Perlis, Malaysia); Norshamsuri Ali (Mimos Berhad & Universiti Malaysia Perlis (UNIMAP), Malaysia); Mohd Rashidi Che Beson (Advanced Communication Eng, Centre of Excellence & School of Computer and Communication Eng, Malaysia); Abdul Rahman Kram (University Malaysia Sarawak, Malaysia)	Abdul Rahman Kram	802921
46	1570824625	Prediction Rain Attenuation Effect on Free Space Optical Communication Kuching/Samarahan Region	TRACK 7: OPTIC & PHOTONICS	Rosdsham Endut and Syed Alwee Aljunid (Universiti Malaysia Perlis, Malaysia); Norshamsuri Ali (Mimos Berhad & Universiti Malaysia Perlis (UNIMAP), Malaysia); Mohd Rashidi Che Beson (Advanced Communication Eng, Centre of Excellence & School of Computer and Communication Eng, Malaysia); Abdul Rahman Kram (University Malaysia Sarawak, Malaysia)	Abdul Rahman Kram	802921
47	1570824637	Improvement of High Power Received Using New Receiver Technique in Free Space Optical Communication	TRACK 7: OPTIC & PHOTONICS	Rosdsham Endut and Syed Alwee Aljunid (Universiti Malaysia Perlis, Malaysia); Norshamsuri Ali (Mimos Berhad & Universiti Malaysia Perlis (UNIMAP), Malaysia); Mohd Rashidi Che Beson (Advanced Communication Eng, Centre of Excellence & School of Computer and Communication Eng, Malaysia); Abdul Rahman Kram (University Malaysia Sarawak, Malaysia)	Abdul Rahman Kram	802921
48	1570824658	Simulation and Investigation of High-Frequency Si-Based Piezoelectric Micromachined Ultrasonic Transducer (PMUT) Performances	TRACK 6: MICRO/NANO-ELECTRONIC	Hasnizah Aris (Universiti Malaysia Perlis (UniMAP), Malaysia); Nor Aimi Alia Kaharuddin (Universiti Malaysia Perlis (UniMAP), Perlis, Malaysia); Zaliman Sauli (Universiti Malaysia Perlis, Malaysia); Anees Abdul Aziz (Universiti Teknologi MARA, Shah Alam, Selangor, Malaysia); Wan Mokhdzani Wan Norhaimi (UniMAP, Malaysia)	Hasnizah Aris	390575
49	1570825069	Perceptual-Based Features for Blind Image Quality Assessment Using Extreme Learning Machine for Biodiversity Monitoring	TRACK 1: ARTIFICIAL INTELLIGENCE	Phaklen Ehkan (Universiti Malaysia Perlis, Malaysia); Nutveesa A/P Verak (University Malaysia Perlis, Malaysia)		
50	1570825227	Enhancement of Sensing Performance for Yeast Cell Using Tapered Optical Fibre	TRACK 7: OPTIC & PHOTONICS	Norhaffazah Burham (Universiti Teknologi MARA, Malaysia); Nur Nadia Bachok and Norhana Arsan (Universiti Kebangsaan Malaysia, Malaysia); Naimah Mat Isa (Universiti Teknologi MARA, Malaysia)	Naimah Mat Isa	487692
51	1570825653	Fault Injection Test on Mitigated Benchmark Circuits Using FPGA	TRACK 4: EMBEDDED SYSTEM & SOC	Ili Shairah Abdul Halim (Universiti Teknologi MARA, Malaysia & College of Engineering, Malaysia)	Ili Shairah Abdul Halim	525259
52	1570828597	Feasibility Study of Using Electronics Wireless Electricity Detector with Python Software	TRACK10: COMMUNICATION & BIG DATA	Junita Mohd Nordin (Universiti Malaysia Perlis, Malaysia); Hilal A. Fadhil (Sohar University, Oman); Feras Hasoon (National University of Science and Technology, Oman); Tariq Adnan Fadil (Dijlah University, Iraq); Rosemizi Abd Rahim (Universiti Malaysia Perlis, Malaysia)	Junita Nordin	634487

53	1570829007	Sentiment Analysis on Malay-English Mixed Language Text Using Artificial Neural Network	TRACK 1: ARTIFICIAL INTELLIGENCE	Nik Adilah Hanin Zahri (Universiti Malaysia Perlis, Malaysia & Center of Excellence for Advanced Computing Universiti Malaysia Perlis, Malaysia); Amiza Amir (Universiti Malaysia Perlis & Advanced Computing (ADVCOMP) Centre of Excellence, UniMAP, Malaysia); Rusnida Romli, Lim May Yann and Nur Hafizah Ghazali (Universiti Malaysia Perlis, Malaysia)	Nik Adilah Hanin Zahri	1121669
54	1570829498	Electrical Energy Consumption Monitoring System over Internet of Things	TRACK 3: INTERNET OF THINGS	Rosemizi Abd Rahim (Universiti Malaysia Perlis, Malaysia)	Rosemizi Rahim	666501
55	1570830215	Simulation and Analysis of a Biconical and Pyramidal Horn Based Yagi-Uda Antenna Television Receiver	TRACK 5: ANTENNA & MICROWAVE	Aaron Don M. Africa, Vince Matthew A Rivera, Pierre Randell S Yao and Juan Miguel A Sanchez (De La Salle University Manila, Philippines)	Aaron Don Africa	1451709
56	1570830586	Human Activity Recognition Using Supervised Machine Learning Techniques	TRACK 1: ARTIFICIAL INTELLIGENCE	Reggie C Gustilo (De La Salle University, Philippines); Anna Sheila I Crisostomo (Oman Tourism College, Oman); Marc Gelian E Ante (De La Salle University, Philippines); Shakir Al Balushi (Oman Tourism College, Oman)	Shakir Al Balushi	1977735
57	1570830593	Online Shopping Behavior Prediction Using Support Vector Machines	TRACK 1: ARTIFICIAL INTELLIGENCE	Reggie C Gustilo (De La Salle University, Philippines); Anna Sheila I Crisostomo (Oman Tourism College, Oman); Matthew Theodore C Roque (De La Salle University, Philippines); Badar Al Dhuhli (Oman Tourism College, Oman)	Badar Al Dhuhli	1977746
58	1570830801	Predicting the Stress-Strain Behavior of Contractive and Dilative Materials Using Gaussian Process Regression	TRACK 1: ARTIFICIAL INTELLIGENCE	Reggie C Gustilo, Emerzon Torres and Mary Ann Adajar (De La Salle University, Philippines)	Reggie Gustilo	1487437
59	1570830885	IoT Testing Kit for Assessing Hands-On Experience Acquired in Performing Laboratory Classes	TRACK 3: INTERNET OF THINGS	Nor Syamina Binti Sharifful Mizam (Universiti Malaysia Perlis, Malaysia)	Nor Syamina Sharifful Mizam	1848700
60	1570830893	Effect of Different Dimension of CPW Pentagonal Island Antenna with Sierpinski Gasket Fractal	TRACK 5: ANTENNA & MICROWAVE	Amier Hafizun Ab Rashid and Normikman Hassan (Universiti Teknikal Malaysia Melaka, Malaysia)	Amier Ab Rashid	1905917
61	1570830979	A MATLAB-SIMULINK Model of a Flywheel Energy Storage System with Load Following, Energy Time-Shifting, and Photovoltaic Power Smoothing Capabilities	TRACK 8: GREEN ELECTRONICS	Roy Francis Navea (De La Salle University, Philippines)	Roy Francis Navea	1457746
62	1570831195	Buck-Boost Converter with a Fixed Output Voltage at 15V	TRACK 8: GREEN ELECTRONICS	MOHAMMAD FAHMI AIMAN Mokhtar (UNIVERSITI TEKNOLOGI MALAYSIA, Malaysia); Nurul Ashikin Abdul-Kadir and Johari Kasim (Universiti Teknologi Malaysia, Malaysia); Abdul Mutalib Embong (Universiti Malaysia Terengganu, Malaysia)	Nurul Ashikin Abdul-Kadir	458817
63	1570832678	Hermite-Gaussian Mode-Selective Multicore Fiber for Space Division Multiplexing	TRACK 7: OPTIC & PHOTONICS	Norshamsuri Ali (Mimos Berhad & Universiti Malaysia Perlis (UNIMAP), Malaysia); Angela Amphawan (InterNetWorks Research Laboratory, Malaysia); Walid Sahraoui (Algeria, Algeria)	Walid Sahraoui	1815823
64	1570834270	Design of Smart Assist Device for the Visually Impaired	TRACK 1: ARTIFICIAL INTELLIGENCE	Zahereel Ishwar Abdul Khalib (University of Malaysia Perlis, Malaysia); Nur Hafizah Ghazali (Universiti Malaysia Perlis, Malaysia); Mohamed Elshaikh (UniMAP, Malaysia)	Zahereel Ishwar Abdul Khalib	672439
65	1570834754	Design of Electroadhesion Pad for Improving Grasping Friction of Soft Robotic Glove	TRACK 9: ANALOG & DIGITAL DESIGN	Muhammad Hisyam Rosle, Amirul Shafiq Siraj Jaafar and Muhammad Nazrin Shah Shahrol Aman (Universiti Malaysia Perlis, Malaysia); Abdul Nasir Abd. Ghafar (UMP, Malaysia)	Muhammad Hisyam Rosle	1979331
66	1570835040	Rpi as A Mechanism to Control Reconfigurable Receiver Ability of RSSI Scanning and Tracking System Modeling	TRACK10: COMMUNICATION & BIG DATA	Mohd Ilman Jais and Iszaidy Ismail (Universiti Malaysia Perlis, Malaysia); Amir Nazren Abdul Rahim (University Malaysia Perlis, Malaysia)		
67	1570835047	Area Optimization of Active Reference Band Gap Amplifier in Cadence Virtuoso	TRACK 9: ANALOG & DIGITAL DESIGN	Razaidi Hussin (Universiti Malaysia Perlis, Malaysia); Rizalafande Che Ismail (Universiti Malaysia Perlis & Albukhary International University, Malaysia); Mohd. Nazrin Md Isa, Siti Zarina Md Naziri, Norhawati Ahmad, Afzan Kamarudin and Muammar Mohamad Isa (Universiti Malaysia Perlis, Malaysia)	Razaidi Hussin	526316
68	1570835405	Design and Simulation of Oscillator Circuitries for LED Driver Integrated Circuit	TRACK 9: ANALOG & DIGITAL DESIGN	Arjuna Marzuki (Wawasan Open University, Malaysia); Sohiful Anuar Bin Zainol Murad (Universiti Malaysia Perlis, Malaysia); Tun Zainal Azni Zulkifli (Symmid Corporation Sdn Bhd, Malaysia)	Arjuna Marzuki	297776
69	1570835409	TCAD Simulation of AlGaIn/GaN HEMT Grown on High- Resistivity Silicon Substrate	TRACK 6: MICRO/NANO-ELECTRONIC	Sanna Binti Taking and Ahmad Zulfadli Musa (University Malaysia Perlis, Malaysia); Shahrir Rizal Kasjoo, Muammar Mohamad Isa and Norhawati Ahmad (Universiti Malaysia Perlis, Malaysia)	Ahmad Musa	1983081
70	1570835455	A School Attendance Management System by Using Facemask Recognition Based on the Internet of Things (IoT) Approach	TRACK 3: INTERNET OF THINGS	Amir Nazren Abdul Rahim (University Malaysia Perlis, Malaysia); Mohd Ilman Jais, Iszaidy Ismail and Mohd Wafi Nasrudin (Universiti Malaysia Perlis, Malaysia); Wan Aida Nadia Wan Abdullah (University Malaysia Perlis (UniMAP), Malaysia)	Amir Nazren Abdul Rahim	1184911
71	1570835653	Reconstruction Hyperbolic Image of Buried Object Using GPR B-Scan Image for Mapping Purposes	TRACK 2: SIGNAL & IMAGE PROCESSING	Hasimah Ali (University Malaysia Perlis, Malaysia)	Hasimah Ali	636297
72	1570835695	Recognition of Different Utility Pipes Size of Ground Penetrating Radar Images at Different Penetration Depth	TRACK 2: SIGNAL & IMAGE PROCESSING	Hasimah Ali (University Malaysia Perlis, Malaysia)	Hasimah Ali	636297
73	1570835856	Hyperbolic Recognition of Buried Pipes in Ground Penetrating Radar Images with the Presence of Scattering Objects	TRACK 2: SIGNAL & IMAGE PROCESSING	Hasimah Ali (University Malaysia Perlis, Malaysia)		
74	1570835868	Hyperbola Detection of Ground Penetrating Radar Using Deep Learning	TRACK 2: SIGNAL & IMAGE PROCESSING	Hasimah Ali (University Malaysia Perlis, Malaysia)		
75	1570835947	Smart Irrigation System Based IoT for Indoor Housing Farming	TRACK 3: INTERNET OF THINGS	Hasimah Ali (University Malaysia Perlis, Malaysia)	Hasimah Ali	636297

76	1570836237	Low Cost Tilt Monitoring System for Spin Coater Calibration	TRACK 4: EMBEDDED SYSTEM & SOC	Mohd Fairus Ahmad and Norhayati Sabani (Universiti Malaysia Perlis, Malaysia); Nurjulliana Juhari (University Malaysia Perlis (UniMAP), Malaysia); Shamsul Amir Abdul Rais (UniMAP, Malaysia); Nor Farhani Zakaria and Mohd Natashah Norizan (Universiti Malaysia Perlis, Malaysia); Muhamad Ridzuan Radin Muhamad Amin (Universiti Teknologi Malaysia, Malaysia)	Mohd Fairus Ahmad	627283
77	1570836525	Design and Analysis of Small Scale Oyster Mushroom Cultivation	TRACK 1: ARTIFICIAL INTELLIGENCE	Zahereel Ishwar Abdul Khalib (University of Malaysia Perlis, Malaysia); Nur Hafizah Ghazali (Universiti Malaysia Perlis, Malaysia)	Zahereel Ishwar Abdul Khalib	672439