

Contents

Overall Schedule	1
Foreword	4 - 5
Conference Outline	6 - 8
Acknowledgment	9
Floorplan	10 - 11
Program Schedule	13 - 17



Overall Schedule

26th July 2017 (Wednesday)

TORAY, Universiti Sains Malaysia (Ground Floor)

2.00 pm-5.00pm	Participants Onsite Registration & Conference Materials Collection
----------------	--

27th July 2017 (Thursday)

TORAY, Universiti Sains Malaysia

8.00 am-8.50am	Registration
8.50am -9.00am	Opening Remarks Professor Mohd Zaid Abdullah (USM) General Chairman of ICISPC2017
9.00 am-10.00am	1st Keynote : “Electromagnetic Sensing and Imaging Techniques for the Characterisation of Metal Targets.” Professor Tony Peyton School of Electric and Electronic Engineering, University of Manchester
10.00 am-10.30am	Tea Break
10.30am-12.00pm	Parallel Session 1 Room 1: 6 Presenters Room 2: 6 Presenters
12.00 pm-2.00pm	Lunch break
2.00pm-3.00pm	2nd Keynote: “Detection of Software Source Code Clone” Professor Yulin Wang Wuhan University, China
3.00 pm-3.30pm	Tea Break
3.30pm-4.30pm	Parallel Session 2 Room 1: 6 Presenters Room 2: 5 Presenters

Excellent Paper Awards Ceremony & Dinner Banquet**27th July 2017 (Thursday)****Eastin Hotel, Penang**

7.00 pm-8.00pm	Arrivals and Registration of Guests
8.00 pm-8.10am	Welcoming Speech Professor Mohd Zaid Abdullah (USM) General Chairman of ICISPC2017
8.10pm -8.20am	Welcoming Speech Mr. Ron Wu, Director from IACT, ICISPC 2017
8.20 pm-8.30pm	Speech by: Mr Goon Koon Yin Director, TT Vision Sdn.Bhd
8.30 pm-8.40pm	Officiating Speech by: Professor Dr Ahmad Farhan Mohd. Sadullah Deputy Vice Chancellor (Academic & International), representing USM Vice-Chancellor
8.40 pm-9.00pm	Awards Presentation: <ul style="list-style-type: none"> - 5 Recommended Papers - Young Scientist Network- Akademi Sains Malaysia Best Paper Award Souvenir Presentation <ul style="list-style-type: none"> - Keynote Speakers *Profesor Tony Peyton, University of Manchester *Profesor Yulin Wang, Wuhan University, China *Profesor Rosni Abdullah, Universiti Sains Malaysia - Mr Goon Koon Yin, Director of TT-Vision - Mr Ron Wu, Director of IACT - Professor Dr Ahmad Farhan Mohd Sadullah Deputy Vice Chancellor (Academic & International)
9.00pm-11.00pm	Dinner & Cultural performance

Contents

28th July 2017 (Friday)

TORAY, Universiti Sains Malaysia

9.00 am-10.00am	3rd Keynote : "Research Collaboration Opportunities Through Internet of Things Smart Campus" Professor Rosni Abdullah School of Computer Sciences, Universiti Sains Malaysia
10.00am-10.30am	Tea Break
10.30am-12.30pm	Parallel Session 3 Room 1:7 Presenters Room 2:7 Presenters
12.15pm-2.45pm	Lunch break
2.45pm-5.00pm	Industry Visit to TT Vision, Bayan Lepas, Penang Briefing on company's history, operations and research activities by joint director Mr. Goon Koon Yin and Facility tour.

Foreword

On behalf of the Technical Committee of the International Conference on Imaging, Signal Processing and Communication (ICISPC), I welcome you to the beautiful island of Penang. In addition to its being the most tourist visited destination in Malaysia, Penang is an island of extremely high historical importance. The landscape of its capital city Georgetown is dominated by well-preserved heritage buildings, many have been accorded a listing as a UNESCO World Cultural Heritage Site. No wonder the Georgetown World Heritage City Day which falls on 7th of July every year is a public holiday in Penang.

ICISPC is one the flagships conferences of the International Academy of Computer Technology (IACT) society. This is the first time ICISPC is being held in Malaysia following the inauguration of ICISPC 2016 (previously known as the International Conference on Multimedia and Image Processing – ICMIP), which was held in Bandar Sri Begawan, Brunei in June 2016. While retaining the niche area on Image and Signal Processing, we have decided to expand the scope of ICMIP covering topics related to Imaging and Communication inline with the current technology transformation and the proliferation of Internet of Things (IoT) and 4th Industrial Revolution. By so doing this year conference was able to attract and bring together sensor developers, imaging scientists, communication specialists in addition to traditional community of image and signal processing. For ICISPC 2017, 74 papers were submitted of which 68 were accepted for presentation at the conference. This is equivalent to an acceptance rate of 92%. The submission rules were modified for 2017 and required authors to submit a full paper instead of a simple abstract, thus improving the overall quality of the review process.

This year conference also featured three plenary talks by world renowned scientists, in addition to six Special Sessions on niche topics in the area of Imaging, Signal processing and Communication applications. In keeping with the theme of this year conference which is “Emerging technology for Sustainable Tomorrow”, there are many papers on smart sensors, digital imaging, microwave sensing, RF, devices and materials, VLSI design, IC process technologies, MEMS, and sensors for biomedical, health and agricultural applications. Also there are good number of papers on automation and control, a topic which is of great significance in the context of Penang’s economy. This year conference sees the international participation with the largest attendees from Malaysia (25 papers), followed by Taiwan (2 papers), Indonesia (2 papers), Bangladesh (2 papers) and 1 paper each from Philippine, UK, France, Poland, Tunisia, Japan and Egypt.

I would like to thank the committee members for their hard work in making sure a smooth running of this conference. Many thanks to the reviewers for their excellent job to maintain the academic quality and scholarship. Special thanks to the sponsors, particularly IT Vision, who had graciously contributed to this conference, enabling us to have a decent conference dinner at this marvelous hotel in Penang. While here I would also like to suggest the delegates take their time to explore the island, and its flora and fauna.

Prof. Dr Mohd Zaid Bin Abdullah
Universiti Sains Malaysia, Malaysia

Foreword

We welcome you to 2017 International Conference on Imaging, Signal Processing and Communication (ICISPC 2017) which will be held from July, 26-28, 2017 in Universiti Sains Malaysia Main campus, Penang. As a premier conference in the field, ICISPC2017 provides a highly competitive forum for reporting the latest developments in the research and application of Imaging, Signal Processing and Communication.

ICISPC is a young conference in the areas of Imaging sensing technique and processing technology, Communication technology, Multimedia and Communication Systems. But for its first year, it already attracts around 75 papers, and we selected around 35 participants among them. The authors of submitted papers come from 25 countries and regions. Authors of accepted papers are from 10 countries.

The conference program represents the efforts of many people. We want to express our gratitude to the members of International Steering Committee, Local Committee especially from Universiti Sains Malaysia, Malaysia and some of the external reviewers for their hard work in reviewing submissions. General Chair, Mohd Zaid Abdullah from Universiti Sains Malaysia, has also helped us in many ways, for which we are grateful. We also thank the two invited speakers, Prof. Tony Peyton (University of Manchester, UK) and Prof. Rosni Abdullah (Universiti Sains Malaysia, Malaysia), for sharing their insights with us. The paper submission and reviewing process was managed using the EasyChair system. Finally, the conference would not be possible without the excellent papers contributed by authors. We thank all the authors for their contributions and their participation in ICISPC2017!

We hope that this program will further stimulate research in imaging, signal processing and communication, and provide practitioners with better techniques, algorithms, and tools for deployment. We feel honored and privileged to serve the best recent developments in the field of ISPC to you through this exciting program.

Prof. Yulin Wang,
Wuhan University, China
General Chair- ICISPC2017

Conference outline

The 2017 International Conference on Imaging, Signal Processing and Communication (ICISPC 2017) will be jointly organized by Collaborative Microelectronic Design Excellence Center (CEDEC), Universiti Sains Malaysia (USM) with International Academy of Computer Technology (IACT), China which will be held from July, 26-28, 2017 at TORAY-USM KTC Building, USM. The theme for the conference is "**Emerging Technology for Sustainable Tomorrow**". The ICISPC conference aims to bring together international academicians, scientists and industrialists for knowledge sharing, exchange of ideas, collaborations and presentation of their research outcomes in imaging, signal processing and communication fields. All accepted papers will be published in the conference proceeding and on flash drive supported. The ICISPC 2017 proceedings will be published by ACM Digital Library (ISBN: 978-1-4503-5289-5) which is indexed by DBLP, Scopus and Thomson Reuters.

Committees

Honorary Chair

Asma Ismail, Universiti Sains Malaysia, Malaysia

Conference General Chair

Mohd Zaid Abdullah, Universiti Sains Malaysia, Malaysia
Yulin Wang, Wuhan University, China

International Steering Committees

Zulfiqar Abdul Aziz, Universiti Sains Malaysia, Malaysia
Asrulnizam Abd Manaf, Universiti Sains Malaysia, Malaysia
Jagadheswaran Rajendran, Universiti Sains Malaysia, Malaysia
Nor Ashidi Mat Isa, Universiti Sains Malaysia, Malaysia
Mohd Fadhil Ain, Universiti Sains Malaysia, Malaysia
Rosni Abdullah, Universiti Sains Malaysia, Malaysia
Aamir Saeed Malik, Universiti Teknologi Petronas, Malaysia
Lim Chee Peng, Deakin University, Australia

Conference outline

Supavadee Aramvith, Chulalongkorn University, Thailand
 Jitkomut Songsiri, Chulalongkorn University, Thailand
 Suree Pumrin, Chulalongkorn University, Thailand
 S.Manoharan, Karpagam College of Engineering, India
 Wuqiang Yang, University of Manchester, UK
 Tony Peyton, University of Manchester, UK
 Masahiro Fujita, University of Tokyo, Japan
 Pham Ngoc Nam, Hanoi University of Science and Technology, Vietnam
 Hsueh-Ming Hang, National Chiao Tung University, Taiwan
 Wang Haigang, Chinese Academy of Sciences, China
 AK Chaturvedi, Indian Institute of Technology Kanpur, India.
 PG.M. Iskandar PG Petra, University Brunei Darussalam, Brunei
 Rahmadi Kurnia, Universiti Andalas, Indonesia
 Achmad Munir, Institut Teknologi Bandung, Indonesia
 Alexander Djordjevich, City University of Hong Kong
 PB Teo, Motorola, Malaysia
 KY Goon, TT Vision, Malaysia
 Chen Yen Wei, Renesas, Malaysia
 Ong Sze Wei, INTEL, Malaysia

Local Committees

Rafidah Ahmad, Universiti Sains Malaysia, Malaysia
 Khairu Anuar Mohamed Zain, Universiti Sains Malaysia, Malaysia
 Ruhaifi Abdullah Zawawi, Universiti Sains Malaysia, Malaysia
 Nuha A. Rhaffor, Universiti Sains Malaysia, Malaysia
 Shukri Korakkottil Kunhi Mohd, Universiti Sains Malaysia, Malaysia
 Sofiyah Sal Hamid, Universiti Sains Malaysia, Malaysia
 Nurul Izzati Zaini, Universiti Sains Malaysia, Malaysia
 Mohd. Aminudin Mustafa, Universiti Sains Malaysia, Malaysia
 Rosni Hassan, Universiti Sains Malaysia, Malaysia
 Mohd Kusairay Musa, Universiti Sains Malaysia, Malaysia
 Ikhwan Niza Ayob, Universiti Sains Malaysia, Malaysia
 Mohd Fazlan Md Radzi, Universiti Sains Malaysia, Malaysia
 Mohd Hasnirol Baharom, Universiti Sains Malaysia, Malaysia
 Abdullah Sanusi Hussain, Universiti Sains Malaysia, Malaysia

Conference outline**Technical Committees**

Prof. Prasant Kumar Pattnaik, KIIT University, India
 Dr. Souvik Pal, Elite College of Engineering, India
 Dr. Nguyen Gia Nhu, Duy Tan University, VietNam
 Dr. Ruksar Fatima, KBN College of Engineering, India
 Dr. Mohd. Tafir Mustaffa, Universiti Sains Malaysia
 Assoc. Prof. Dr. Junita Mohamad Salleh, Universiti Sains Malaysia
 Assoc. Prof. Dr. Bakhtiar Affendi Bin Rosdi, Universiti Sains Malaysia
 Assoc. Prof. Dr. Dzati Athiar Ramli, Universiti Sains Malaysia
 Assoc. Prof. Dr. Haidi Ibrahim, Universiti Sains Malaysia
 Dr. Nor Muzlifah Mahyuddin, Universiti Sains Malaysia
 Assoc. Prof. Dr. Shahrel Azmin Sundi@Suandi, Universiti Sains Malaysia
 Dr. Wan Amir Fuad Wajdi Othman, Universiti Sains Malaysia
 Assoc. Prof. Dr. Bahari Belaton, Universiti Sains Malaysia
 Dr. Mohamed Fauzi Packeer Mohamed, Universiti Sains Malaysia
 Dr. Mohamad Adzhar Md. Zawawi, Universiti Sains Malaysia
 Dr. Irni Hamiza Hamzah, Universiti Teknologi MARA
 Mrs. Normasni Ad. Fauzinormasni, Universiti Teknologi MARA
 Dr. Emilia Noorsal, Universiti Teknologi MARA
 Dr. Mohamad Faizal Abdul Rahman, Universiti Teknologi MARA
 Dr. Mohd Norzaidi Mat Naw, Universiti pendidikan Sultan Idris
 Dr. Said Amirul, Universiti Malaysia Perlis
 Andriyan Bayu Suksmono, Institut Teknologi Bandung, Indonesia
 Prof. Rajeev Srivastava, Indian Institute of Technology, India
 Dr. Abu Bakar Ibrahim, Universiti Pendidikan Sultan Idris, Malaysia
 Dr. Ashardi Abas, Universiti pendidikan sultan idris, Malaysia
 Dr. Abhisek Chakrabarty, Vidyasagar University, India
 Dr. Himan Shahabi, University of Kurdistan, Iran
 Dr. Audrey Huong, University Tun Hussein onn Malaysia, Malaysia
 Prof. Yu-Len Huang, Tunghai University, Taiwan
 Assoc. Prof. Salekul Islam, United International University, Bangladesh
 Dr. Mohammed Azmi Al-Betar, Al-Huson University College, Jordan
 Prof. Noel Linsangan, Mapua Institute of Technology, Philippines
 Dr. Amirudin Kamsin, University of Malaya, Malaysia
 Dr. Nor Surayhani Suriani, Universiti Tun Hussein Onn Malaysia, Malaysia
 Assoc. Prof. Alan Wee Chiat Tan, Multimedia University, Malaysia
 Dr. Hasmik Osipyan, University of London, Malaysia
 Dr. Sasa Arsovski, University of London, Malaysia
 Dr. Lilly Suriani Affendey, University Putra Malaysia, Malaysia

Acknowledgment

We would like to thank you the following organizations for their valuable support for this conference.

Main sponsor



Co-sponsor



USM UNIVERSITI
SAINS
MALAYSIA



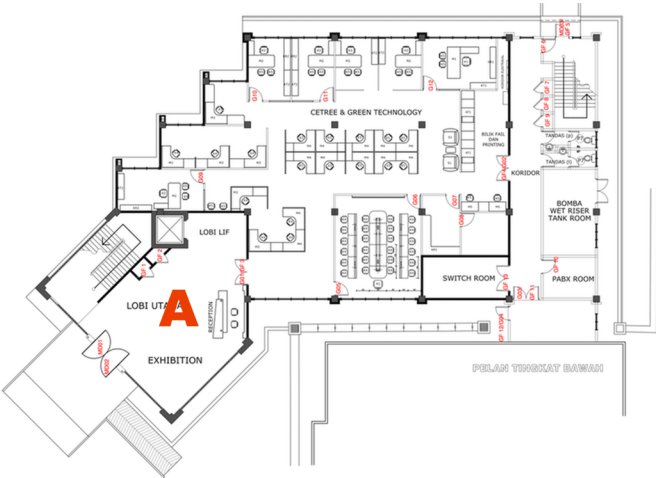
SILTERRA



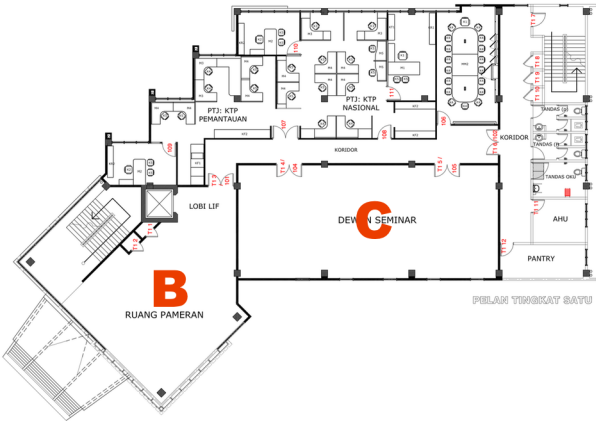
ROHDE & SCHWARZ

Floor plan

Gound floor

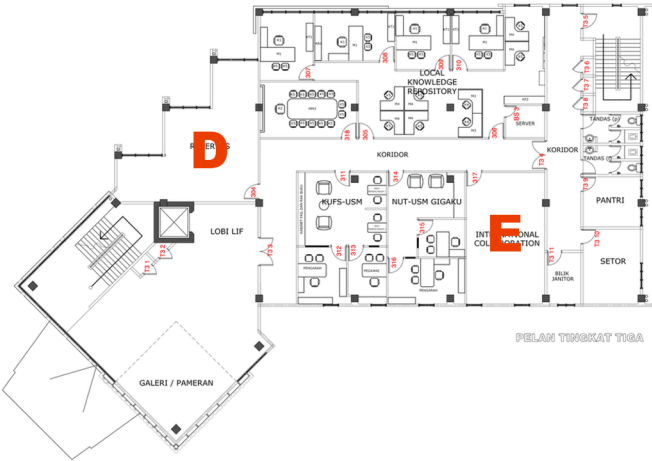


1st floor



Floor plan

3rd floor



TORAY-USM KTC Building, USM

- A** Booth area
- B** Dining area
- C** Keynote Hall
- D** Room 1
- E** Room 2

Program schedule

Parallel Session 1
27th July 2017 (Thursday)
Room 1

10.30 AM – 12.00 PM

Imaging Sensing Technique and Processing Technology

Chairperson: Assoc Professor Dr Asrulnizam Abd Manaf

Co-chairperson: Mr Shukri Korakkottil Kunhi Mohd

10.30 AM – 10.45 AM	<p>An enhanced Discrete Wavelet Packet Transform for Feature Extraction in Electroencephalogram Signals</p> <p><i>Abdullah Yousef Al-Qammaz, Yuhanis Yusof, Farzana Kabir Ahamd</i> <i>Universiti Utara Malaysia, Malaysia</i></p>
10.45 AM – 11.00 AM	<p>Locating Success Within a Geographic Information System</p> <p><i>Ir. Fazilah Mat Yatim, Associate Prof Dr Zulkepli Majid, Dr Shahabuddin Amerudin</i> <i>Tenaga Nasional Berhad/Universiti Teknologi Malaysia ,Malaysia</i></p>
11.00 - 11.15 AM	<p>Skin Color Pixel Classification for Face Detection with Hijab and Niqab</p> <p><i>Tasriva Sikandar, Kamarul H Ghazali, Izzeldin I. Mohd, MF Rabbi</i> <i>Universiti Malaysia Pahang ,Malaysia</i></p>
11.15 - 11.30 AM	<p>Doppler ultrasound high-definition flow imaging in the study of breast cancer neo-adjuvant chemotherapy</p> <p><i>Yu-Len Huang</i> <i>Tunghai University, Taichung, Taiwan</i></p>
11.30 - 11.45 AM	<p>Artifacts Reduction of EEG-SSVEP Signals for Emotion Detection with Robust Principal Component Analysis</p> <p><i>Arjon Turnip, Dwi Esti Kusumandari, Hanif Fakhurroja, M Faizal Amri, Artha I. Simbolon, Taufik Hidayat, Poltak Sihombing</i> <i>Indonesian Institute of Science, Indonesia</i></p>
11.45 - 12.00 PM	<p>Electroencephalogram Signals Denoising using Various Mother Wavelet Functions: A Comparative Analysis</p> <p><i>Zaid Abdi Alkareem Alyasseri, Ahamad Tajudin Khader and Mohammed Azmi Al-Betar</i> <i>Univeriti Sains Malaysia, Malaysia</i></p>

Program schedule

Parallel Session 1 27th July 2017 (Thursday)

Room 2

10.30 AM – 12.00 PM

Communication Technology

Chairperson: Dr Jagadheswaran Rajendran

Co-chairperson: Mr Ruhaifi Abdullah Zawawi

10.30 AM – 10.45 AM	<p>A Low Profile Printed Quadrifilar Helical Antenna for Handheld UHF RFID Reader</p> <p>Wang Wei-Hsu, Chiu Chien-Wen, Ni David C. and Chung Yung-Rung National I-lan University, Taiwan</p>
10.45 AM – 11.00 AM	<p>Broadband Linear Power Amplifier for Picocell Basestation Application</p> <p>Ram Sharma Nitesh, Jagadheswaran Rajendran, Harikrishnan Ramiah CEDEC, Universiti Sains Malaysia, Malaysia</p>
11.00 – 11.15 AM	<p>Three-Dimensional Microwave Breast Cancer Detection System based on Bi-conical UWB Antenna</p> <p>RASAMMAL A/P RASAPPAN Universiti Sains Malaysia, Malaysia</p>
11.15 – 11.30 AM	<p>Synthesizable Assertion in Hardware and Software Development</p> <p>OOI RUEY HOCK Universiti Sains Malaysia, Malaysia</p>
11.30 – 11.45 AM	<p>CMOS Voltage Controlled Oscillator (VCO) with frequency stability for extended operating temperature Range</p> <p>Sofiyah Sal Hamid, Ruhaifi Abdullah Zawawi, Shukri Korakkottil Kunhi Mohd, Nuha Rhaffor and Zulfiqar Ali Abd Aziz CEDEC, Universiti Sains Malaysia, Malaysia</p>
11.45 – 12.00 PM	<p>Low-Density Parity-Check (LDPC) Coded Framelet Transform-Based OFDM System</p> <p>Suha Q. Hadi, Phaklen Ehkan, Sameer A. Dawood, Anuar Mat Safar Universiti Malaysia Perlis, Malaysia</p>

Program schedule

Parallel Session 2 27th July 2017 (Thursday)

Room 1

3.30 PM – 5.00 PM

Multimedia and Communication Systems

Chairperson: Professor Mohd Zaid Abdullah

Co-chairperson: Mr Zulfiqar Ali Abd Aziz

3.30 PM - 3.45 PM	<p>Polarized optical system for noncontact imaging of epidermal microcirculation activities</p> <p>Audrey Huang, Jeffry Yip, Xavier Ngu University Tun Hussein Onn Malaysia, Malaysia</p>
3.45 PM - 4.00 PM	<p>Plant Identification by Image Processing of Leaf Veins</p> <p>Noel B. Linsangan, Jesse Dave S. Selda, Roi Martin R. Ellera, Leandro C. Cajayon II Mapua University, Philippines</p>
4.00 PM - 4.15 PM	<p>Single and multi-temporal filtering comparison on Synthetic Aperture Radar data for agriculture area classification</p> <p>Prima Rizky Mirelva , Ryota Nagasawa United Graduate School of Agricultural Sciences, Tottori University, Japan</p>
4.15 PM - 4.30 PM	<p>Human Action Recognition using Bio-inspired Visual Motion Estimation</p> <p>Nor Surayahani Suriani Universiti Tun Hussein Onn Malaysia, Malaysia</p>
4.30 PM - 4.45 PM	<p>Real-time voice activity detector using gammatone filter and modified long-term signal variability</p> <p>Wei Qing Ong, Alan Wee Chiat Tan, V.Vijayakumar Vengadasalam, Cheah Heng Tan, Thean Hai Ooi Faculty of Engineering & Technology, Multimedia University, Malaysia</p>
4.45 PM - 5.00 PM	<p>Face recognition in the Edge Cloud</p> <p>Nasif Muslim , Salekul Islam United International University, Bangladesh</p>

Program schedule

Parallel Session 2 27th July 2017 (Thursday)

Room 2

3.30 PM – 4.30 PM

Communication Technology

Chairperson: Assoc Professor Dr Asrulnizam Abd Manaf

Co-chairperson: Mr Shukri Korakkottil Kunhi Mohd

3.30 PM - 3.45 PM	Wireless Sensor Network Based Outdoor and Indoor Positioning System (WOIPS) Featured with IoT Abdulqudos Alnahari , Noor Azurati Ahmad , Yusnaidi Md Yusof University Technology Malaysia, Malaysia
3.45 PM - 4.00 PM	Review on Firmware Chu Jay Tan , Junita Mohamad Saleh, Khairu Anuar Mohamed Zain , Zulfiqar Ali Abd. Aziz Universiti Sains Malaysia, Malaysia
4.00 PM - 4.15 PM	Secured Electronic Health Record Management Protocol Salekul Islam and Syeda Farzana United International University (UIU), Bangladesh
4.15 PM - 4.30 PM	An Analysis and Design of 0.3-10 GHz Medium Power Amplifier using 0.5 μ m GaAs PHEMT Technology Arjuna Marzuki, Amiza Rasmi , and Basir Saibon Universiti Sains Malaysia; TM Research & Development Sdn. Bhd. ;UniKL MSI Kulim Hi-Tech Park Campus, Malaysia

Program schedule

Parallel Session 3 28th July 2017 (Friday)

Room 1

10.30 AM – 12.00 PM

Imaging Sensing Technique and Processing Technology

Chairperson: Dr Jagadheswaran Rajendran

Co-chairperson: Mr Ruhaifi Abdullah Zawawi

10.30 AM -10.45 AM	Optimal EEG Signals Denoising using Hybrid b-Hill Climbing Algorithm and Wavelet Transform Zaid Abdi Alkareem Alyasseri , Ahamad Tajudin Khader and Mohammed Azmi Al-Betar <i>Univeriti Sains Malaysia, Malaysia</i>
10.45 AM - 11.00 AM	Evaluation of Cerebral Blood Flow with different imaging parameters of Arterial Spin Labeling Phantom with 1.5 Tesla Magnetic Resonance Imaging Norain Liyana Yusoff , Nur Jihan Mohd Zukhi, Diana Yusob , Rafidah Zainon <i>Universiti Sains Malaysia, Malaysia</i>
11.00 AM - 11.15 AM	Tri-Surface Solar Wafer Edge Chipping Inspection Thai Li Lim , Teow Wee Teo, Mohd Zaid Abdullah <i>Universiti Sains Malaysia, Malaysia</i>
11.15 AM - 11.30 AM	Automatic Fishes Detection from Video Sequences using Adaptive Background Modeling Algorithm C. MOTAMED <i>LISIC Lab, Université du Littoral Côte d Opale , France</i>
11.30 AM - 11.45 AM	A New Technique for K-Means Cluster Centers Initialization of WMH Segmentation Iza Sazanita Isa , Siti Noraini Sulaiman, Nooritawati Md Tahir, Muzaimi Mustapha , Noor Khairiah A. Karim <i>Universiti Teknologi MARA, Malaysia</i>
11.45 AM - 12.00 PM	Transformer Oil Degradation Monitoring With Chromatically Analyzed Optical Fluorescence Chin Kim Lo , Hui Mun Looe, Amr T. Sufian, Gordon Rees Jones , Joseph W. Spencer <i>TNB Research Sdn. Bhd., Malaysia</i>

Program schedule

Parallel Session 3 28th July 2017 (Friday)

Room 2

10.30 AM – 12.30 PM

Imaging Sensing Technique and Processing Technology & Multimedia and Communication Systems

Chairperson: Professor Mohd Zaid Abdullah

Co-chairperson: Mr Zulfiqar Ali Abd Aziz

10.30 AM -10.45 AM	Design of Polyimide based Piezoelectric Micromachined Ultrasonic Transducer for Underwater Imaging Application Khairul Azman Ahmad , Asrulhizam Abd Manaf, Mohd Ikhwan Hadi Mohd Yaacob, Mohamad Faizal Abd. Rahman Universiti Sains Malaysia, Malaysia
10.45 AM - 11.00 AM	Classification of Histopathology Images of Breast into Benign and Malignant using a Single-layer Convolutional Neural Network Elaheh Mahraban Nejad , Lilly Suriani Affendey, Rohaya Binti Latip, Iskandar Bin Ishak University Putra Malaysia, Malaysia
11.00 AM - 11.15 AM	Analysis of Texture-based Feature for Image Classification of Retinal Exudates Hanung Adi Nugroho , Widhia KZOktoeberza, Ratna Lestari Budiani and Teguh Bharata Adji Universitas Gadjah Mada, Indonesia
11.15 AM - 11.30 AM	Feature extraction from Moiré Pattern Images for Tilt Sensing Pei Ying Tan , M. M. Ratnam, F. Ahmad Universiti Sains Malaysia, Malaysia
11.30 AM - 11.45 AM	A New Technique for K-Means Cluster Centers LS-SVM Approach for Predicting Frictional Performance of Industrial Brake Pad Materials. Nabil Eltayb, Abeer Hamdy British university in Egypt, Egypt
11.45 AM - 12.00 PM	Internet of Speech: A Conceptual Model Hasmik Osipyan , Sasa Arsovski, Adrian David Cheok, and Idris Oladele Muniru University of London, UK
12.00 PM – 12.15 PM	Speech Enhancement in Reverberant Environments for Communication Applications Konrad Kowalczyk AGH University of Science and Technology, Poland
12.15 PM – 12.30 PM	LWT-SVD Secure Image Watermarking Technique Siraa Ben Ftima, Mourad Talbi , and Tahar Ezzedine Center of researches and technologies of Energy of Borj Cedria, Tunisia