

TAFGEN 2018 TENTATIVE (HILTON HOTEL, KUCHING SARAWAK)

DAY 1 - 24 July 2018		
OPENING		
0730-0830	REGISTRATION	<i>Ballroom</i>
0830-0900	OPENING CEREMONY	Welcome speech: General Chair of conferences Razak Faculty of Technology and Informatics Dean <i>Ballroom</i>
0900-1000	PLENARY SPEAKER	Measurement and Instrumentation at the Tissue: Machine interface Andrew Taberner (University of Auckland) <i>Ballroom</i>
1000-1015	IEEE HAC PLENARY SPEAKER	Challenges and Opportunities of Bio-signal Based Humanitarian Technologies in Sustainable Development Space Shaikh A. Fattah (BUET Bangladesh)
1015-1030	Photo session	<i>Ballroom</i>
1030-1045	Morning break	<i>Ballroom</i>
SESSION 1	(D1S1) PHY & FUNDAMENTALS	
	Venue: <i>Selasih</i>	
	Session Chair: NELIDYA MD YUSOFF	
1045-1130	PLENARY SPEAKER	Towards Information-Centric Networking for Future Internet Yong Jin Park (University Malaysia Sabah)
1130-1150	Muhsin Muhsin; Khoirul Anwar	1570434152 ABBA Dual-Cross-Polarized Antenna Decoupling for 5G 16-Element Planar MIMO at 28 GHz
1150-1210	Muhammad Izzat Amir Mohd Nor; Mohd Azri Mohd Izhar; Norulhusna Ahmad; Hazilah Mad Kaidi	1570439659 Exploitation of 2D Source Correlation with Parameter Estimation for Image Transmission
1210-1230	Razak Mohd Ali Lee; Suhailah Saibu; Sittilin Salleh	1570440754 Folded-Line Left-Handed Metamaterial Enhanced Microstrip Patch Antenna
1230-1330	LUNCH	<i>Waterfront Cafe</i>
SESSION 2	(D1S2) WIRELESS NETWORKS	
	Venue: <i>Selasih</i>	
	Session Chair: LIZA ABDUL LATIFF	
1335-1420	KEYNOTE I	5G Technologies for Industry 4.0 Khoirul Anwar Telkom University, Bandung, Indonesia.
1420-1440	Khoirun Ni'amah; I Nyoman Apraz Ramatryana; Khoirul Anwar	1570427402 Coded Random Access Prioritizing Human Over Machines for Future IoT Networks
1440-1500	Solichah Larasati; I Nyoman Apraz Ramatryana; Khoirul Anwar	1570427412 High-rate Coded Random Access for Non-Orthogonal Multiple Access with Human Priority

1500-1520	Mosaab M. Hamed; Liza A. Latiff; Nur Izzaty Ahmad Kamil; Rudzidatul Dziyauddin; Hazilah Mad Kaidi	1570427463 Design and implementation of sensing infrastructure for an Indoor Smart Parking System
1520-1540	Siti Jainal; Azura Hamzah; Norliza Mohamed; Suriani Mohd Sam	1570433088 UWB Planar Antenna with Dual Band Characteristics for WLAN and WIMAX
1540-1600	Mahassin Osman; Sharifah Kamillah Syed Yusof; Nik Noordini Nik Abd Malik	1570437577 Load Balanced Clustering Algorithm for Cognitive Radio Ad Hoc Networks
1600-1620	Airull Azizi Awang Lah; Rudzidatul Dziyauddin; Nelidya Md. Yusoff	1570457883 Localization Techniques for Water Pipeline Leakages: A Review
1620-1635	BREAK	
SESSION 3	IEEE HAC PROGRAM <i>Venue: Berjaya</i>	
	SESSION CHAIR: NORLIZA MOHD NOOR	
1400-1420	RFTI Dean, Sha'ri Mohd Yusof	Razak Faculty of Technology and Informatics: RFTI Initiatives and Commitment on humanitarian activity
1420-1440	Shaikh A. Fattah	Humanitarian Project Design and Implementation: Key Factors of Humanitarian Technologies and Sustainable Development
1440-1500	Chong Yu Zheng	Journey in IEEE-HTA, and IEEE-SIGHT
1500-1520	Mohd Nabil Muhtazaruddin	Royal Belum Solar Project
1520-1540	Helmy Hazmi	The future of public health: whats in store for us?
1700-1900	CONFERENCE DINNER	

DAY 2 – 25 JULY 2018		
SESSION 1	(D2S1) ANTENNA TECHNOLOGIES <i>Venue: Selasih</i>	
	SESSION CHAIR: SURIANI MOHD SAM	
0830-0850	Nurul Huda Abd Rahman; Yoshihide Yamada; Muhammad Hariz Husni; Noor Hafizah Abdul Aziz	1570444785 Analysis of Propagation Link for Remote Weather Monitoring System through LoRa Gateway
0850-0910	Kamelia Quzwain; Yoshihide Yamada; Kamilia Kamardin; Tharek Abdul Rahman	1570445431 Verification of A MATLAB Program for Shaped Dual Reflector Antenna
0910-0955	KEYNOTE II	Radio Wave Technologies for 5G Mobile Systems Yoshihide Yamada Malaysia-Japan International Institute of Technology of UTM, Malaysia
0955-1015	Aiman Kassir; Rudzidatul Dziyauddin; Hazilah Mad Kaidi; Mohd Azri Mohd Izhar	1570445432 Power Domain Non-Orthogonal Multiple Access: A Review
1015-1035	Yoshihide Yamada; Nurul Huda Abd Rahman; Kamilia Kamardin;	1570445791

	Tharek Abdul Rahman; Intan Izafina Idrus; Muhammad Ashraf; Nguyen Quoc Dinh	Unequally Element Spacing Array Antenna with Butler Matrix Feed for 5G Mobile Base Station
1035-1050	BREAK	
SESSION 2	(D2S2) ANTENNA TECHNOLOGIES <i>Venue: Selasih</i>	
	SESSION CHAIR: RUDZIDATUL AKMAM DZIYAUDDIN	
1050-1110	Muhaimin Mokhtar; Kamilia Kamardin; Yoshihide Yamada; Rasyidah Hanan Mohd Baharin; Nurul Huda Abd Rahman; Norsiha Zainudin and Tarik Abd Latef; Mohd Najib Mohd Yasin	1570445797 Implantable Patch Antenna for Body Communication
1110-1130	Farizah Ansarudin; Yoshihide Yamada; Tharek Abdul Rahman	1570446128 MATLAB Program for Dielectric Lens Antenna Shaping
1130-1150	Norsiha Zainudin; Tarik Abd Latef; Yoshihide Yamada; Kamilia Kamardin; Rasyidah Hanan Mohd Baharin; Narendra Aridas	1570446282 Measured Results of Input Resistance of NMHA in a Body Phantom
1150-1210	Yusnita Rahayu	1570446911 Design of 28/38 GHz Dual-Band Triangular-Shaped Slot Microstrip Antenna Array for 5G Wireless Communication Network
1210-1230	Nureily Atikah Nawawy; Norliza Mohamed; Rudzidatul Dziyauddin; Suriani Mohd Sam	1570447122 Functional Split Architecture for Energy Efficiency in 5G Backhaul
1230-1330	LUNCH	<i>Waterfront Cafe</i>
SESSION 3	(D2S3) EMERGING TECHNOLOGIES <i>Venue: Selasih</i>	
	SESSION CHAIR: NORULHUSNA AHMAD	
1345-1430	INVITED SPEAKER	Spectrum -aware Clustering in Cognitive Radio Networks Sharifah Kamilah Syed Yusof Universiti Teknologi Malaysia
1430-1450	Sivaramalingam Kirushanth; Boniface Kabaso	1570427955 Telematics and Road Safety
1450-1510	Samia Khan; Fazirulhisyam Hashim; Mohd. Fadlee A. Rasid	1570427966 Reducing the Severity of Black Hole and DDoS Attacks in MANETs by Modifying AODV Protocol using MAC authentication and symmetric encryption
1510-1530	Sivaramalingam Kirushanth; Boniface Kabaso; Thinagaran Perumal	1570428115 Weigh-in-motion Using Machine Learning and Telematics

1530-1550	Zainab Yunusa; Jeleel Oladapo; Mohd Nizar Hamidon; Dahiru Shuaibu	1570434137 E-BAND Slotted Microstrip Patch Antenna Array For 5G Broadband Applications
1550-1610	Nur Sumayyah Ahmad; Rudzidatul Dziyauddin; Ainal Izzati Jamal Shah; Muhammad Hanis Omar; Nur Hidayah Zamri; Liza A. Latiff; Norliza Mohd Noor	1570440030 Smart Fire Emergency System for Buildings: A Review
1610-1625	BREAK	
SESSION 4	(D2S4) PHOTONICS <i>Venue: Selasih</i>	
	SESSION CHAIR: HAZILAH MAD KAIDI	
1625-1645	Abdul Hadi Sulaiman; Fairuz Abdullah; Nelidya Md. Yusoff; Aiman Ismail; Md Zaini Jamaludin; Mohd. Adzir b. Mahdi	1570440435 Effect of PMF Length to Channel Spacing Tunability by Temperature in Multiwavelength Fiber Laser
1645-1705	Yong Suan Ong; Nelidya Md. Yusoff; Osayd Kharraz; Abdul Hadi Sulaiman;; Fairuz Abdullah;	1570447293 Modelling of Different Types of Semiconductor Optical Amplifier Characteristics
1705-1725	Aiman Ismail; Hazwani Mohammad Helmi; Md Zaini; Pin Jern Ker; Fairuz Abdullah; Abdul Hadi Sulaiman; Mohammed Hayder Al-Mansoori	1570445706 Multi-wavelength Brillouin Raman Erbium Fiber Laser utilizing Captured Residual Raman Pump Power
SESSION 5	(D2S5) EMERGING TECHNOLOGIES & SECURITY <i>Venue: Berjaya</i>	
	SESSION CHAIR: AZIZUL AZIZAN	
1600-1620	Mohd Ismifaizul Mohd Ismail; Rudzidatul Dziyauddin; Nur Aisyah Azmi; Shafiqa Samsul; Yoshihide; Fitri Yakub	1570428029 A Survey of Localization using RSSI and TDoA Techniques in Wireless Sensor Network: System Architecture
1620-1640	Jasrina Jaffar; Sharifah K. Syed-Yusof; Norulhusna Ahmad; Jawahir Mustapha, Yusuf	1570444718 A Spectrum Handoff Scheme based on Joint Location and Channel State Prediction in Cognitive Radio
1640-1700	Akram Muhammad Razee; Rudzidatul Dziyauddin; Marwan Hadri Azmi; Sajaa Kh. Sadon	1570446900 Comparative Performance Analysis of IIR and FIR Filters for 5G Networks
1700-1720	Airull Azizi Awang Lah; Rudzidatul Dziyauddin; Marwan Hadri Azmi	1570447142 Proposed Framework for Network Lateral Movement Detection Based on User Risk Scoring in SIEM
1720-1740	Saiful Adli Ismail; Azizul Azizan; Ting Li Shan	1570447767 Access Control Models for Cloud Computing: A Review

DAY 3 – 26 JULY 2018 TUTORIAL / WORKSHOP <i>Faculty of Engineering, Universiti Malaysia Sarawak.</i>		
*0900-1200	Khoirul Anwar	Wireless Networks Analysis for IoT <i>Venue: Tutorial Room 4,</i>
0900-1200	Norliza Mohd Noor	Machine learning for Beginners <i>Venue: Tutorial Room 5</i>
0900-1030	Ahmad Nizar Harun	IoT and Cloud Application for Data Acquisition <i>Venue: Tutorial Room 3</i>
1030-1200	Robiah Ahmad	Engineering Design Optimization: Theory and Application <i>Venue: Tutorial Room 3</i>
*0900-1200	Shaikh A. Fattah	IEEE HAC Education Workshop: Humanitarian Project Design to Serve Local Community using Advanced Technologies for Sustainable Development <i>Venue: Tutorial Room 2</i>
		City Tour (optional)

***Subject to change**