

Programme At A Glance

Day 1: Monday, 23rd November 2015

TIME	DESCRIPTION		
08:30 – 09:00	REGISTRATION		
	BALLROOM 2	BALLROOM 3	KENYALANG
09:00 – 10:00	TUTORIAL 1	TUTORIAL 2	
10:00 – 10:30	TEA BREAK		
10:30 – 12:30	TUTORIAL 1	TUTORIAL 2	
12:30 – 14:00	LUNCH		
14:00 – 15:30	TUTORIAL 3	TUTORIAL 4	TUTORIAL 5
15:30 – 16:00	TEA BREAK		
16:00 – 17:00	TUTORIAL 3	TUTORIAL 4	TUTORIAL 5

Day 2: Tuesday, 24th November 2015 Venue: Hilton Hotel Kuching

SESSION	DESCRIPTION		
07:30 – 08:30	REGISTRATION		
	BALLROOM 1 & 2		
08:30 – 09:00	OPENING CEREMONY		
09:00 – 10:00	KEYNOTE ADDRESS 1: PROFESSOR SONIA AISSA		
10:00 – 10:30	TEA BREAK & EXHIBITS		
	BALLROOM 2	BALLROOM 3	KENYALANG
10:30 – 12:30	SESSION 1-1:	SESSION 1-2	SESSION 1-3
12:30 – 14:00	LUNCH		
14:00 – 15:30	SESSION 2-1	SESSION 2-2	SESSION 2-3
15:43 – 16:00	TEA BREAK		
16:00 – 17:00	SESSION 3-1	SESSION 3-2	SESSION 3-3
19:30 – 22:00	CONFERENCE DINNER		

Day 3: Wednesday, 25th November 2015 Venue: Hilton Hotel Kuching

ROOM	DESCRIPTION		
07:30 – 08:30	REGISTRATION		
	BALLROOM 1 & 2		
08:30 – 09:15	KEYNOTE ADDRESS 2: DR MAZLAN ABBAS		
09:15 – 10:00	KEYNOTE ADDRESS 3: PROF TARIK TALEB		
10:00 – 10:30	TEA BREAK		
	BALLROOM 2	BALLROOM 3	KENYALANG
10:30 – 12:30	SESSION 4-1	SESSION 4-2	SESSION 4-3
12:30 – 14:00	LUNCH		
14:00 – 15:30	SESSION 5-1	SESSION 5-2	SESSION 5-3
15:30 – 16:00	TEA BREAK		
16:00 – 17:00			
17:00 – 17:30	CONFERENCE END		

Legend:

DAY 1: MONDAY, 23 NOVEMBER 2015

TUTORIAL 1: 5G Mobile Communication: Evolution or Revolution

TUTORIAL 2: Fundamentals and Applications of Green Communication for Current and Future Mobile Networks

TUTORIAL 3: OFDM-based Visible Light Communications: Potentials and Challenges

TUTORIAL 4: Towards Energy-Efficient Hyper-Dense Wireless Networks with Trillions of Devices

TUTORIAL 5: Cross-Layer Design of Cooperative Wireless Networks

DAY 2: TUESDAY, 24 NOVEMBER 2015

SESSION 1-1: Ad-hoc, Mesh, Machine-to-Machine and Sensor Networks 1

SESSION 1-2: Spectrum Efficient Management, Sensing and Cognitive Radio 1

SESSION 1-3: Antennas, Propagation and RF Design 1

SESSION 2-1: Ad-hoc, Mesh, Machine-to-Machine and Sensor Networks 2

SESSION 2-2: Spectrum Efficient Management, Sensing and Cognitive Radio 2

SESSION 2-3: Vehicular Communications, Networks and Transportation Systems

SESSION 3-1: Optical Communications

SESSION 3-2: Antennas, Propagation and RF Design 3

SESSION 3-3: Future Trend & Emerging Technologies

DAY 3: WEDNESDAY, 25 NOVEMBER 2015

SESSION 4-1: Special Session on 5G

SESSION 4-2: Antennas, Propagation and RF Design 4

SESSION 4-3: Cooperative Communications, Distributed MIMO and Relaying

SESSION 5-1: Mobile Network Applications and Services

SESSION 5-2: Antennas, Propagation and RF Design 2

SESSION 5-3: Wireless / Radio Access Technologies

Papers & Sessions

Day 2: Tuesday – 24th November, 2015

Time	Paper id	Paper Title	Session
SESSION 1-1: Ad-hoc, Mesh, Machine-to-Machine and Sensor Networks 1			
Venue: Ballroom2			
10:30	1570212653	Web-based Monitoring of an Automated Fertigation System: An IoT Application	1-1
10:45	1570167711	Predicting proximity with ambient mobile sensors for non-invasive health diagnostics	1-1
11:00	1570217966	A Weighted Hard Combination Scheme for Cooperative Spectrum Sensing in Cognitive Radio Sensor Networks	1-1
11:15	1570216104	Precision Agriculture Applications using Wireless Moisture Sensor Network	1-1
11:30	1570211525	Reliable and Energy Efficient Routing Protocol (REEP) for Underwater Wireless Sensor Networks (UWSNs)	1-1
11:45	1570210889	Toward a Performance Evaluation of Cross-Layer Performance Evaluation of Cross-Layer Opportunistic MAC/ Routing with Node's Mobility for Wireless Body Area Networks	1-1
SESSION 1-2: Spectrum Efficient Management, Sensing and Cognitive Radio 1			
Venue: Ballroom3			
10:30	1570209649	Impact Evaluation of Noise Uncertainty in Spectrum Sensing under Middleton Class A Noise	1-2
10:45	1570208867	Spectrum Aware Distance Utilization Routing Protocol for Cognitive Radio Networks	1-2
11:00	1570207795	New Exponential-Type Integral Representations of the Generalized Marcum Q-Function of Real-Order with Applications	1-2
11:15	1570206789	Evaluation of Contiguous and Non-Contiguous Channel Bonding Schemes Based on TVWS Spectrum Occupancy in Malaysia	1-2
11:30	1570206517	Cooperative Spectrum Sensing Using Hybrid IWOPSO Algorithm in Cognitive Radio Networks	1-2
11:45	1570190805	Empirical Study on Suitable Scan Duration for Energy Detection in Clear Channel Assessment Sensing Method for IEEE802.15.4 Transceiver	1-2

SESSION 1-3: Antennas, Propagation and RF Design 1**Venue: Kenyalang**

10:30	1570212517	Mutual Impedance with Finite Feed Gap Model of Dipoles Antenna Array using the Induced EMF Method	1-3
10:45	1570212474	a UHF RFID Split-Ring Resonator Tag Antenna Inductively Coupled Feed for Metallic Object	1-3
11:00	1570207647	High Gain Coplanar UHF RFID Tag Antenna Using Inductively Coupled Feed for Metallic Applications	1-3
11:15	1570207045	Mitigation Technique For Rain Fade Using Frequency Diversity Method	1-3
11:30	1570206865	Single and Sub-Array Characteristics of Capacitive Integrated Reflectarray Design for Beam Scanning Reconfigurability	1-3

SESSION 2-1: Ad-hoc, Mesh, Machine-to-Machine and Sensor Networks 2**Venue: Ballroom2**

14:00	1570210701	Energy Trust System for Detecting Sybil Attack in Clustered Wireless Sensor Networks	2-1
14:15	1570209557	Incorporating Antenna Beamswitching Technique into Drivers for IEEE802.11 WLAN Devices	2-1
14:30	1570191021	Optimum QoS Resource Allocation Algorithm for Video Traffic over Wireless Mesh Networks based on IEEE 802.11s	2-1
15:00	1570177713	Impact of Node Inter-domain Movement on MANET's Performance	2-1

SESSION 2-2: Spectrum Efficient Management, Sensing and Cognitive Radio 2**Venue: Ballroom3**

14:00	1570189877	Efficient and Reliable Modulation Classification for MIMO Systems	2-2
14:15	1570187001	Multi-Stage Cross Entropy Optimization Algorithm for Hard Combining Schemes in Cognitive Radio Network	2-2
14:30	1570182075	Outage Performance in Relay-Assisted Overlay Cognitive Radio Networks	2-2
15:00	1570118041	Performance Comparisons of Sequential and Asynchronous Iterative Water Filling Algorithm in Cognitive Smart Grid Communications	2-2

SESSION 2-3: Vehicular Communications

Venue: Kenyalang

14:00	1570212470	VWS: Video Surveillance on Wheels Using Cloud in VANETs	2-3
14:15	1570194531	Design of Single Stream Reservation Class for Efficient Data Transmission in IEEE 802.1 AVB Networks	2-3
14:30	1570194457	Optimal Bandwidth Allocation for the Scheduled Traffic in IEEE 802.1 AVB	2-3
14:45	1570182521	Density-aware Directional Forwarding Strategy for Vehicular Ad hoc Networks	2-3
15:00	1570181643	Handover Performance Analysis of Distributed Mobility Management in Vehicular Networks	2-3

SESSION 3-1: Optical Communications

Venue: Ballroom2

16:00	1570216411	QoS Performance Analysis of Non-slotted and Slotted Optical Burst Switched Networks	3-1
16:15	1570215984	Optimization of FDL Buffers and cost function for contention resolution in OCDM/WDM	3-1
16:30	1570192223	Performance Analysis of DCO-OFDM in VLC System	3-1
16:45	1570182089	A GPON Dynamic Bandwidth Algorithm Survey	3-1

SESSION 3-2: Antennas, Propagation and RF Design 2

Venue: Ballroom3

16:00	1570192187	FEXT and NEXT Analysis for VDSL2 Technology on 50 Twisted Pairs TM Copper Cable	3-2
16:15	1570183291	Preliminary Analysis of Dust Storm Effects on Microwave Links Measured in Khartoum	3-2
16:30	1570183231	Rain Fade Mitigation on Earth-to-Satellite Microwave links Using Site Diversity	3-2
16:45	1570183085	Ionospheric Disturbances Triggered by Solar Flare Events during Solar Maximum - May 2013	3-2
17:00	1570212517	Mutual Impedance with Finite Feed Gap Model of Dipoles Antenna Array using the Induced EMF Method	3-2

SESSION 3-3: Future Trend & Emerging Technologies

Venue: Kenyalang

16:00	1570177743	Efficient and Low-complexity Scheduling Algorithm for Maximizing Users' Quality-of-Service Satisfaction in a Heterogeneous Mixed Traffics	3-3
16:15	1570176363	Fast Handover Proximity for Heterogeneous Cellular Networks	3-3

16:30	1570206817	Thermal Aware LSTRF Round Robin Based Job Scheduling Algorithm on a Computational Grid Environment	3-3
16:45	1570193509	Cooperative Learning for Online In-network Performance Monitoring	3-3

Day 3: Wednesday – 25th November, 2015

SESSION 4-1: Special Session on 5G

Venue: Ballroom2

10:30	1570214440	Dynamic Multi-state Ultra-wideband mm-wave Frequency Selection for 5G Communication	4-1
10:45	1570212370	QoS Downlink Schedulers in LTE towards 5G Networks	4-1
11:00	1570195139	Investigation of Pilot Training Effect in Massive-MIMO TDD System	4-1
11:15	1570194821	Millimeter Wave Propagation Through Foliage: Comparison of Models	4-1
11:30	1570192865	Channel Characterization for Indoor Environment at 17 GHz for 5G Communication	4-1

SESSION 5-2: Antennas, Propagation and RF Design 4

Venue: Ballroom3

10:30	1570182959	Performance Assessment of the Simulation Modeling Approach of SWCNT at THz and GHz Antenna Applications	4-2
10:45	1570182519	Case Study of Rain Attenuation At 26 GHz in Tropical Region (Malaysia) For Terrestrial Link	4-2
11:00	1570180201	3-dB Branch-line Coupler using Coupled Line Radial Stub with No Restriction on Coupling Power	4-2
11:15	1570176913	Exploitation of the Electromagnetic Band Gap (EBG) in 3-dB Multi-Layer Branch-line Coupler	4-2

SESSION 4-3: Cooperative Communications, Distributed MIMO and Relaying

Venue: Kenyalang

10:30	1570210723	Fully Distributed Mobility Management Scheme for Future Heterogeneous Wireless Network	4-3
10:45	1570209385	Maximized Secrecy Rate Based Power Allocation for Wireless Cooperative Network with Control Jamming	4-3
11:00	1570203263	Opportunistic Relays Selection for Successive Relaying With Inter-Relay Interference	4-3
11:15	1570181421	On Spectral Efficiency Maximization in a Partial Joint Processing System using a Multi-Start Particle Swarm Optimization Algorithm	4-3
11:30	1570177725	Amplify-and-Forward Relaying to Improve Capacity and Error Rate at Destination Terminal	4-3

SESSION 5-1: Mobile Network Applications and Services

Venue: Ballroom2

14:00	1570221874	Performance Evaluation of RSS-based WSN Indoor Localization Scheme using Artificial Neural Network Schemes	5-1
14:15	1570183579	A Polymorphism Watermarking Algorithm for Digital Holy Quran	5-1
14:30	1570182723	Phase Unwrapping Technique for Dual-Frequency Doppler Ranging Estimation	5-1

SESSION 5-2: Antennas, Propagation and RF Design 4

Venue: Ballroom3

14:00	1570206317	Multiple Output LC Tank Varactor VCO with Ultra-Low Power Consumption and Low-Phase Noise	2-3
14:15	1570205423	Design and Analysis of Double Negative Metamaterial for Microwave S-Band	2-3
14:30	1570199395	A New Wideband Double Negative Metamaterial	2-3
15:00	1570195253	A60 GHz Single-walled Carbon Nanotube Composite Material for Dipole Antenna Applications	2-3

SESSION 5-3: Wireless / Radio Access Technologies

Venue: Kenyalang

14:00	1570218298	A Robust Non-Uniform Indexation of a Quadratically Interpolated LUT Predistorter for RF Power Amplifiers	5-3
14:15	1570208539	QoS Provisioning in CSMA/CA-Based Opportunistic Random Access for WLAN	5-3
14:30	1570208049	Some New Results on the Asymptotic Analysis for Diversity Receivers	5-3
14:45	1570179491	A Novel Low Complexity High Efficiency Hybrid PAPR Reduction for OFDM Systems	5-3
15:00	1570167389	A Novel Scheduling Algorithm Based Class-Service Using Game Theory for LTE Network	5-3