

2015 1st International Conference on Telematics and Future Generation Networks (TAFGEN 2015)

**Kuala Lumpur, Malaysia
26-28 May 2015**



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TAFGEN 2015 Program Schedule

Program in Chronological Order

Tuesday, 26 May 2015

Keynote Speaker: 09:30 -12:15

Keynote Speaker 1: 09:30-10:30 Avenue 15
5G A Special Generation (SG)
Rahim Tafazolli (University of Surrey, UNITED KINGDOM)

Keynote Speaker 2: 11:00-12:15 Avenue 10
Malaysia Towards 5G
Tharek Abdul Rahman (Universiti Teknologi Malaysia, MALAYSIA)

IoT and Cognitive Radio: 14:00 -15:40 Avenue 10

14:00-14:20 D1S1.1
The Implementing of the Internet of Things Concepts for the Continuous Provision of Informational Services for Vehicle Drivers and Passengers
Serge Popov, Mikhail Kurochkin, Leonid Kurochkin and Vadim Glazunov (St. Petersburg State Polytechnical University, RUSSIA)

14:20-14:40 D1S1.2
The Adaptive Cognitive Radio Sensor Network: A Perspective Towards The Feasibility
Mohammed Al-Medhwahi, Fazirulhisyam Hashim (University Putra Malaysia, MALAYSIA)

14:40-15:00 D1S1.3
Spectrum Sharing Using Particle Swarm Optimization
Tareq M. Shami, Ayman A. El-Saleh, and Mohamad Y. Alias, (Multimedia University, MALAYSIA).

15:00-15:20 D1S1.4
Genetic Algorithm with Multi-Parent Crossover for Cooperative Spectrum Sensing
Mohammed A. Alrefaei, Tareq M. Shami and Ayman A. El-Saleh (Multimedia University, MALAYSIA).

15:20-15:40 D1S1.5
Optimality of the HDC Rules in Cooperative Spectrum Sensing for Cognitive Radio Network
Wasan Kadhim Saada, Mahamad Ismail, Rosdiadee Nordin (Universiti Kebangsaan Malaysia, MALAYSIA) and Ayman A. El-Saleh (Multimedia University, MALAYSIA)

Future Generation Network: 16:00 - 17:40 Avenue 10

16:00-16:20 D1S2.1
Hypervisor and Virtual Machine Dependent Intrusion Detection and Prevention System for Virtualized Cloud Environment
Ajay Kumara.M.A, Jaidhar.C.D (National Institute of Technology Karnataka Surathkal, INDIA)

16:20-16:40 D1S2.2
Cloud Computing Challenges and Opportunities: A Survey
Faraz Fatemi Moghaddam (Universiti Putra Malaysia, MALAYSIA), Mohammad Ahmadi (Asia Pacific University, MALAYSIA), Samira Sarvari (Universiti Putra Malaysia, MALAYSIA), Mohammad Eslami (Islamic Azad University, IRAN), Ali Golkar (Shiraz University, IRAN)

16:40-17:00 D1S2.3
Access Control and User Authentication Concerns in Cloud Computing Environments
Mohammad Ahmadi (Asia Pacific University of Technology and Innovation,

MALAYSIA), Milad Chizari, Mohammad Eslami (Islamic Azad University, IRAN),
Mohammad Javad Golkar (Imam Mohamad Bagher University Sari, IRAN),
Mostafa Vali (Asia Pacific University, MALAYSIA)

17:00-17:20 D1S2.4

The algorithm to improve the accuracy of location data of the vehicle in the cloud

Serge Popov, Vadim Glazunov, Mikhail Kurochkin and Mikhail Chuvatov (St. Petersburg Polytechnic University, RUSSIA)

17:20-17:40 D1S2.5

A Service Oriented Middleware for Smart Home and Ambient Assisted Living

Mohd Rozaini Abd Rahim, Norsheila Faisal, Rozeha A. Rashid, Zubair Khalid (Universiti Teknologi Malaysia, MALAYSIA),

Wednesday, 27 May 2015

Fundamental and Physical Layer: 08:30 -09:50 Avenue 10

08:30 - 08.50 D2S1.1

Joint Clipping and Amplifying Techniques for PAPR Reduction in OFDM Systems

Ali Y. Jaber, L. A. Latiff, Norulhusna Ahmad (Universiti Teknologi Malaysia)
Ahmed N. Abdalla (Universiti Malaysia Pahang)

08.50-09:10 D2S1.2

Recovering Single Lost Description Using DCT-MDC Based on Network Coding

Ali Farzammia, Sharifah Kamilah Syed Yusof, Salawu Nathaniel (Universiti Teknologi Malaysia) Razak Mohd. Ali Lee (Universiti Malaysia Sabah)

09:10-09:30 D2S1.3

Survey on Performance of Adaptive Modulation Scheme with Cooperative Diversity in Wireless Systems

Michael Admoon Andrawes, Rosdiadee Nordin (Universiti Kebangsaan Malaysia)

09:30-09:50 D2S1.4

Evaluation and mitigation of co-channel interference in mobile WiMAX 802.16e downlink

Sameh Musleh, Mahamod Ismail and Rosdiadee Nordin (Universiti Kebangsaan Malaysia, MALAYSIA)

Keynote Speaker : 09:50 -10:45

Keynote Speaker 3: 09:50-10:45 Avenue 10

Links-on-the-fly technologies: From the correlated source coding theorem viewpoint (Part I)

Prof. Dr. Tadashi Matsumoto (Japan Advanced Institute of Science and Technology, JAPAN)

Future Antenna Design : 11:00 -12:40 Avenue 10

11:00 - 11:20 D2S2.1

A Steerable 28 GHz Array Antenna Using Branch Line

Nuhu Stella Ifeoma Orakwue, Razali Ngah, T. A. Rahman, and Hamza M. R. Al-Khafaji (Universiti Teknologi Malaysia, MALAYSIA)

11:20-11:40 D2S2.2

Design of Implantable CPW fed L-Slot Antenna for Biomedical Applications

S. Ashok Kumar (Vel Tech University, INIDA), T. Shanmuganatham (Pondicherry University, INDIA), J. Navin Sankar and Anandha Saravanan (Vel Tech University, INIDA)

11:40-12:00 D2S2.3

Integrated Waveguide Slot Antenna and Cavity Filter Using Hollow SIW in LTCC Technology

Razak Mohd Ali Lee, Lukui Jin, Ian Robertson, (University of Leeds, UNITED KINGDOM), Ali Farzammia (Universiti Malaysia Sabah, MALAYSIA)

12:00-12:20 D2S2.4

Implantable CPW Fed Tapered Antenna at ISM Band for Biomedical Applications

S. Ashok Kumar, J. Navin Sankar, (Vel Tech University, INDIA) T. Shanmuganatham (Pondicherry University, INDIA)

12:20-12:40 D2S2.5

Solar Energy Harvesting Design Framework for 3.3 V Small and Low-powered Devices in Wireless Sensor Network ;

Solahuddin Yusuf Fadhullah, Widad Ismail (Universiti Sains Malaysia, MALAYSIA)

Future Optical Communication System: 14:00 - 15:20

Avenue 10

14:00-14:20

D2S3.1

Multiwavelength SOA Fiber Ring Laser based on Bidirectional Lyot Filter ;

A. H. Sulaiman, M. H. Abu Bakar, S. Hitam, M. A. Mahdi (Universiti Putra Malaysia, MALAYSIA) N. Md. Yusoff (Universiti Teknologi Malaysia, MALAYSIA)

14:20-14:40

D2S3.2

Optimizing Silicon Avalanche Photodiode Fabricated by Standard CMOS Process for 8 GHz Operation ;

Zul Atfy Fauzan M. N. (Universiti Teknikal Malaysia Melaka, MALAYSIA), Koichi Iiyama, Ryoichi Gyobu, Takuya Hishiki and Takeo Maruyama (Kanazawa University, JAPAN)

14:40-15:00

D2S3.3

Investigation of Nitrogen Doped Graphene as Saturable Absorber in Thulium-doped Fiber Laser ;

N. Mohd Sharif, N. Md. Yusoff, F. Ahmad (Universiti Teknologi Malaysia, MALAYSIA) S. W. Harun, H. Ahmad (Universiti Malaya, MALAYSIA)

15:00-15:20

D2S3.4

Investigation on the Signal Performances of Pre-, Post- and Inline Compensation of L-band Dispersion Compensator Using Chirped Fiber Bragg Grating ;

N. Md. Yusoff, N. Mohd Sharif (Universiti Teknologi Malaysia, MALAYSIA), A. H. Sulaiman, M. A. Mahdi (Universiti Putra Malaysia, MALAYSIA)

Wireless and Mobile Network: 15:40 - 17:00

Avenue 10

15:40 - 16:00

D2S4.1

Performance of LMS, NLMS and LMF Algorithms in Tracking Time-Varying UWB Channels ;

Solomon Admoon Andrawes, Rosdiadee Nordin (Universiti Kebangsaan Malaysia, MALAYSIA)

16:00 - 16:20

D2S4.2

Indoor Path Loss Model for 4G Wireless Network at 2.6 GHz ;

S. Nor R. Zulkefly, Tharek A. Rahman, Ahmed M. Al-Samman, Abdallah M. S. Mataria, Chee Y. Leow (Universiti Teknologi Malaysia, MALAYSIA)

16:20 - 16:40

D2S4.3

A New Improvement on Firefly Algorithm for Optimization Problems ;

Maryam Kivili, Leilla Gholizadeh (Islamic Azad University, IRAN), Hassan Rashidi (Allameh Tabataba'i University, IRAN), Somayyeh Gholizadeh (Universiti Putra Malaysia, MALAYSIA)

16:40 - 17:00

D2S4.4

A New Power Control Game in Two-Tier Femtocell Networks ;

Y. A. Al-Gumaei, K. A. Noordin, A. W. Reza (Universiti Malaya, MALAYSIA) and K. Dimiyati (Universiti Pertahanan Malaysia, MALAYSIA)

Thursday, 28 May 2015

Tutorial: 10:00 -11:30

Seminar
Room 1,
BATC, UTM
Kuala Lumpur

Links-on-the-fly technologies: From the correlated source coding theorem viewpoint (Part II) ;

Prof. Dr. Tadashi Matsumoto (Japan Advanced Institute of Science and Technology, JAPAN)