

2nd International Conference on Telematics and Future Generation Networks (TAFGEN 2018)

24-26th July 2018
Hilton Kuching, Malaysia

2018
TAFGEN

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Important Dates

Submission of Full Paper :

24th January 2018

Notification of Acceptance :

1st April 2018 onwards

Final Manuscript Submission

(Camera ready) :

2nd June 2018

Early bird Registration Deadline :

2nd May 2018

Normal Registration Deadline :

2nd June 2018

TAFGEN2018

is organised by Department Of Engineering, UTM RAZAK School of Engineering and Advanced Technology, Universiti Teknologi Malaysia (UTM), and technically co-sponsored by IEEE Malaysia Communication Society & Vehicular Technology Society Joint Chapter (ComSoc/VTS).

Accepted papers will be published in the TAFGEN 2018 Conference Proceedings and will be sent to IEEE Explore for publication approval. The proceedings will be submitted for indexing and available at major academic databases. Authors are invited to submit original, unpublished papers on any aspects related to telematics and future generation networks including, but not limited to, the following technical areas:

-PHY and Fundamentals

• Antenna, Channel Modeling, Propagation & Radio Frequency, MIMO and Relaying • Signal Processing For Communication • Cooperative, Cognitive, Device-To-Device and Multihop, Mmwave, Molecular and Nano Communications • Information Theory, Coding and Modulation, Equalisation, Synchronisation • Channel Modeling, Characterisation and Estimation • PHY Layer Security and Privacy • Interference Modeling, Management, Cancellation and Alignment.

-MAC and Cross Layer Design

• Interference, Characterisation & Mitigation • Qos and Qoe in Communication System • Link Adaptation, Admission Control, Resource Allocation and Scheduling • MAC Protocol and Design For Mmwave, Energy Harvesting, Multi-Tier, Small, Molecular and Nano Wireless Networks • Full Duplex Wireless Networks • Cross Layer Design for Massive MIMO and Multiuser MIMO Networks, Cooperative, Cognitive Networks • Multiple Access in M2M, Future Generation Networks.

-Wireless Networks

• Routing and Traffic Management • Cognitive Radio and Networks • Green Communications and Networks • Vehicular Communications, Networks, Intelligent Transport System • Ad-Hoc and Sensor Networking • Software Defined Networks and Network Function Virtualization (NFV) • Positioning, Localisation and Navigation and Satellite Networks.

-Emerging Technologies, Applications and Services

• Big Data and Internet of Things (Iot) • Smart Grid Communication and Networks • Telematics and Informatics • Mobile Networks, Applications and Services • Security Issues in Communication • Recent Advances in System Engineering • Recent Advances in 4G and 5G Communications.

-Photonics

• Optical Communications • Optical Fiber Technology • Optical Interconnects • Semiconductor Lasers • Photonics Devices, Networks and System • Photodetectors, Sensors, System and Imaging • Radio-Over-Fiber and Free-Space Optics • Microwave Photonics, Silicon Photonics • Nano-Photonics and Micro/Nano Optics • Quantum and Nonlinear Optics, Visible Light Communication • Ultrafast Optics.

Paper submission process will be managed by EDAS:<http://edas.info/N24052>. Papers should be a maximum of six (6) pages including figures, tables, references and appendices. Use the standard IEEE Transactions templates for Microsoft Word or LaTeX formats (http://www.ieee.org/conferences_events/conferences/publishing/templates.html).

- Past TAFGEN 2015 : Indexed by Scopus and Published in IEEEExplore
- Non- Student Registration: 2 Papers Submission
- Selected paper will be invited to publish in extended format in Scopus Journal under special issue edition.

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For further information, please contact us at tafgen2018@gmail.com or visit our website

<http://razakschool.utm.my/tafgen2018>