WIRELESS, MOBILE AND QUANTUM RESEARCH GROUP

@ The Faculty of Computer Science & Information Technology

Revolutionizing Wireless Technologies

The transcending of computing towards a ubiquitous and mobile platform is indeed complemented by an enormous demand and deployment. The realization of an ideal platform equating the vision to an absolute formation is indeed constantly being challenged. The Wireless, Mobile and Quantum programme aims at elevating the conducts research on protocols, architectures and systems for wireless, mobile and quantum networks, dealing with design, implementation and evaluation aspects. The group's research activities span a wide range of wireless networking scenarios (including mesh, ad hoc, vehicular and sensor networks, sensor IPv6) and encompasses the multitudes of protocol layers (from the application layer down to the link / MAC layers). The research will indeed enable our nation to be realize the Digital Malaysia effort and to ensure that enhanced underlying platforms are created to support to prevailing visions.

The formation of the Wireless and Mobile Research Group was motivated by the need construct and deploy an avenue which enables enormous exchange of ideas, enhancing of existing technology and contributing towards the creation of breakthrough technologies.

Current Research Areas

The Wireless and Mobile Research Group comprises of researchers pursuing current research areas. Among which are:

- 5G Networks
- Wireless Sensor Networks
- Satellite Communications
- Quantum Computing
- Performance Modelling and Simulation of Wireless Systems

The adoption of new research areas are embraced dynamically with constant evaluations and assessments of the relevance and impact of the findings both academically and for commercial reasons.

Research Members

The Wireless and Mobile Research Group Researcher pursue research in multiple modes. There are numerous faculty members and MSc and PhD scholars who constitute the research group. The rapid pace of development within the field of wireless and mobile technologies is complemented with the constant and cohesive efforts of the researchers. Research is conducted both as academic pursuit (Masters / PhD) or as research projects under grants funded by various Ministries, domestic and international organizations.

The members of this research group are as follows:

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Research Endeavours

Members of the research group strive constantly to ensure that the research relevance is achieved by:

a) Securing research grants
b) Industrial collaborations
c) Exchange programs with other research groups
d) Publications in international and domestic journals
e) Presentations in international and domestic conferences
f) Participations in research competitions

The journey towards making a significant difference in the computing and communication fraternity is constantly pursued in this research group. The global benchmark is made the goal and all research efforts and policies deployed to ensure conformity and significance within this paradigm.

For further information kindly contact:

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