

# ZULKEFLI BIN MUHAMMED YUSOF



- KULLIYAH OF INFORMATION AND COMMUNICATION TECHNOLOGY
- IIUM Gombak Campus
- Email address: [zulmy@iium.edu.my](mailto:zulmy@iium.edu.my)

## المؤهل العلمي

- Doctor in Philosophy in Computer Network
- Master of Science in Information Management
- Bachelor of Science in Information Technology
- Diploma in Computer Science

## مسؤوليات التدريس

|                                   |   |
|-----------------------------------|---|
| ADVANCED NETWORKS                 | 2001/2002 2002/2003 2010/2011 2012/2013<br>2013/2014 2015/2016 2016/2017 2017/2018                                  |
| COMPUTER NETWORKING               | 2001/2002 2002/2003 2009/2010 2010/2011<br>2011/2012 2012/2013 2013/2014 2014/2015<br>2015/2016 2016/2017 2017/2018 |
| DATA COMMUNICATION IN BUSINESS    | 2013/2014   |
| ENTERPRISE NETWORK                | 2018/2019 2019/2020 2020/2021   |
| FINAL YEAR PROJECT                | 2010/2011 2011/2012 2012/2013 2013/2014<br>2014/2015 2017/2018  |
| FINAL YEAR PROJECT I              | 2002/2003 2008/2009 2017/2018 2019/2020   |
| FINAL YEAR PROJECT II             | 2002/2003 2008/2009 2019/2020 2020/2021   |
| INDUSTRIAL ATTACHMENT             | 2010/2011 2011/2012 2012/2013 2013/2014<br>2014/2015 2015/2016 2016/2017 2017/2018                                  |
| MANAGEMENT INFORMATION SYSTEM     | 2001/2002   |
| NETWORKING CONCEPTS AND PRACTICES | 2017/2018 2018/2019 2019/2020 2020/2021   |
| OPERATING SYSTEM                  | 2010/2011 2011/2012 2012/2013 2013/2014<br>2014/2015 2015/2016  |
| PROJECT WORK                      | 2001/2002   |

## المشاريع البحثية

In Progress

**2019 - Present** Development of Framework for Smart Tourism Destination (STD) for Malaysia Ecotourism Sites in relation to Smart Tourism 4.0 initiatives

**Completed**

**2012 - 2016** A novel model of routing protocol for mobile ad hoc networks based on link reliability

**2010 - 2015** Implementation of Vehicular Ad hoc Network applications in Malaysia

**المنشورات**

**Article**

**2018** [Performance evaluation of distributed mMulti media wireless sensor network.](#) International Journal of Engineering and Technology , Vol 7 (4.15) pp.318-322

**2018** [Performance optimization of wireless sensor network for multimedia services.](#) International Journal of Engineering and Technology , 7 (4.15) pp.323-326

**2017** [A features-based comparative study of the state-of-the-art cloud computing simulators and future directions.](#) (IJACSA) International Journal of Advanced Computer Science and Applications , 8 (8) pp.51-59

**2017** [A hybrid method using kinect depth and color data stream for hand blobs segmentation.](#) Science International , 29 (3 (May-June)) pp.515-519

**2017** [Halal products recognition using RFID/NFC technology.](#) Science International , 29 (3 (May-June)) pp.687-692

**2017** [WSN based sensing model for smart crowd movement with identification: an extended study.](#) Journal of Theoretical and Applied Information Technology , 95 (5) pp.975-988

**Conference or Workshop Item**

**2016** [WSN based sensing model for smart crowd movement with identification: a conceptual model.](#) In: **Multi Conference on Computer Science And Information Systems 2016**

**2015** [Simulation of Resources Sharing Architecture \(ReSa\) between clouds using Java programming.](#) In: **2014 The 5th International Conference on Information & Communication Technology for the Muslim World (ICT4M 2014)**

**2014** [Sharing of attacks information across clouds for improving security:a conceptual framework.](#) In: **International Conference on Computer, Communication, and Control Technology (I4CT 2014)**

**2014** [Load-balancing technique in clustered mobile Ad-hoc networks.](#) In: **International Conference on Advanced Computer Science Applications and Technologies, ACSAT 2013**

**2014** [ReSA: architecture for resources sharing between clouds.](#) In: **2014 Conference on Information Assurance and Cyber Security (CIACS)**

- 2013 [A security-based survey and classification of cloud architectures, state of the art and future directions](#) . In: **2013 International Conference on Advanced Computer Science Applications and Technologies (ACSAT)**
- 2013 [Implementation issues of vehicular ad hoc network applications: selected case studies in Malaysia](#). In: **The 4th International Conference on Information & Communication Technology for the Muslim World (ICT4M)**
- 2013 [Fault tolerant cloud auditing](#). In: **The 4th International Conference on Information & Communication Technology for the Muslim World (ICT4M)**
- 2013 [Dynamic object replica placement using underlying routing protocols: ensuring the reliability](#). In: **The 4th International Conference on Information & Communication Technology for the Muslim World (ICT4M)**
- 2009 [Performance metrics for the prediction of link and path availability in VANETs](#). In: **IEEE 9th Malaysia International Conference on Communications**

#### Book

- 2017 [Evaluation of authentication latency using predictive context transfer to support fast handover](#). IIUM Press, International Islamic University Malaysia . ISBN 978-967-418-788-0
- 2011 [An anthology of applied computer technologies](#). IIUM Press . ISBN 9789674181062
- 2011 [Research methodologies: a practical approach](#). IIUM Press . ISBN 9789674180171

#### Book Section

- 2011 [The impact of transmission range over node density in Vehicular Ad Hoc Network \(VANET\) with obstruction of road infrastructure](#). In: **An anthology of applied computer technologies** IIUM Press . ISBN 9789674181062 , pp.167-176
- 2011 [Mobile data service in Java 2 Platform Micro Edition \(J2ME\): mobile order](#). In: **An anthology of applied computer technologies** IIUM Press . ISBN 9789674181062 , pp.177-187
- 2011 [Content management system minisite](#). In: **An anthology of applied computer technologies** IIUM Press . ISBN 9789674181062 , pp.189-203