

## Curriculum Vitae

**Masnida Hussin (Associate Profesor Ts. Dr.)**



### Academic background

- PhD Computer Science, University of Sydney, Australia, 2011
- Master of Science (Distributed Computing), University Putra Malaysia, 2006
- Bachelor of Computer Science, University Technology Malaysia, 1999

### Current Professional Membership

- IEEE Computer (senior member)
- Malaysia Board of Technologists (MBOT) (member)
- International Association of Engineers (IAENG) (member)

### Teaching and Administrative Responsibilities

1. Communication and Computer Networks
  2. Database Application Development
  3. Parallel and Distributed Computing
  4. Cloud Computing
  5. High Performance Computing
- ➔ Coordinator of Master Computer Network program, Faculty Computer Science & Information Technology (2016 – present)
- ➔ Memorandum of Understanding (MoU) Coordinator for UPM-Mesiniaga Berhad

### Work Experience

January 2019 – present	Associate Professor, University Putra Malaysia (UPM)
September 2012- December 2018	Senior Lecturer, University Putra Malaysia (UPM)
November 2007 – August 2012	Tutor, University Putra Malaysia (UPM)
October 1999 – November 2007	Lecturer, Cosmopoint College

### Conference and Invited Speaker (last 3 years)

#### Conference/Seminar:

1. Workshop "Accelerating transformation in education" AWS, 2022(online)
2. International University Carnival on E-learning (UICEL 2022) (online).
3. Seminar on Information Retrieval and Knowledge Management (SIRKM 2022) (online)
4. Seminar on Blockchain after Bitcoin – Big Data and IoT, 12 May 2022 (online)

5. International Conference on Interdisciplinary in Computer Science and Engineering 2021 (online)
6. Seminar by Dr. Filip Holik, Univeristy of Pardubice, Czech Republic on Software Define Networking, Main Lecture Hall, FSKTM, 28 Februari 2020.
7. International Conference on Applied Science and Technology 2019, Thistle Hotel, Johor, 1-3 April 2019.
8. Innovative Research, Invention an Application Exhibition (I-RIA) 2019, UUM Sintok Kedah, 29 – 30 April 2019.
9. International Conference on Innovations in Computer Science and Engineering 2019 (ICiCSE2019), Hotel Pullman Miri Sarawak, 25-28 June 2019.

**Invited Speaker:**

1. (webinar) Modernizing Business through Cloud Computing at MSU Malaysia, 14 September 2021.
2. (webinar) Accelerating Manuscript Publication at City University Malaysia 9 July 2021.
3. Panel/ Pengajar Bersama aktiviti dalam talian program, Kursus Asas Pengajaran (KAP) 1/2021 Pejabat Pendaftar UPM “*Scholarship of Teaching and Learning – SoTL*”
4. Panel / Penceramah aktiviti dalam talian program, Bulan Pendidik Universiti Putra Malaysia 2020 “*Teaching from the Heart: Fun Learning*”.
5. CloudIoT for Healthy Active Life (HAL) in Supporting Smart Cities at *6th Annual World Congress of InfoTech-2019* (May 10-11, 2019, at Nanjing, China).

**Research and Publication (last 3 years)**

**Research Project (Principal Investigator):**

1. Public Data Security Awareness, RM50,000 – 8 months (August 2022-March 2023)
2. Developing online performance evaluation tool for assessing student participant in community services for course assessment in University Putra Malaysia. RM10,500.00 - 3 years (2017-2020).
3. Energy-aware Scheduling using Dynamic Scaling Theory in Cloud Datacentre. RM26,500.00 - 3 years (2017-2020).
4. Reliable Resource Scheduling using Self-Learning Optimization in Crowd Computing, Principal investigator, RM31,000.00 - 3 years (2017-2020).
5. Cost scheme for Cloud services using General Equilibrium Theory towards Effective Resource Sharing (FRGS), Principal investigator, RM81,000.00 - 3 years (2013-2016).
6. Adaptive Resource Allocation using Meta-heuristic Method towards Cost-effectiveness and Reliable Processing in Service Oriented Distributed System (IPM-UPM). RM47,000.00 - 3 years (2013-2016).

## Publication:

Publication	Quantity
Book	2
Chapter in Books	4
ISI Index Journal (corresponding author)	3
Journal of Citation Index	25
Non-Citation Index Journal	5
Proceedings of International Conference	20

### Selected publications:

#### **Books and Chapter in Books**

1. (Book) **Masnida Hussin**, Aziah Asmawi, Normalia Samian. *Cloud Security: A General Guide to Secured Computing* (2021), UPM Press.
2. (Book) **Masnida Hussin**, Asma Zubaida Mohamed Ibrahim, Sazlinah Hasan, Hazlina Hamdan. *Mereka Bentuk Logo Produk Dengan Powerpoint* (2021) UPM Press.
3. **Masnida Hussin**, Noris Mohd Norowi, Nor Azura Husin, Salfarina Abdullah & Nur Fatimah Mohd Yusoff. *OPEACS: Alat Penaksiran Prestasi Dalam Talian bagi Menilai Penglibatan Pelajar dalam Pembelajaran Berasaskan Perkhidmatan Komuniti. Penyelidikan dan Inovasi dalam Pengajaran dan Pembelajaran di Universiti Putra Malaysia* (eISBN 978-967-19652-6-9), UPM© Centre for Academic Development (CADE), Universiti Putra Malaysia First Print 2021, m/s 132-140.
4. **Hussin, M. H.** *Students' Involvement in Community Services as Authentic Learning. Scholarship of Teaching and Learning @ UPM*© Centre for Academic Development (CADE), Universiti Putra Malaysia First Print 2019, 81.

#### **ISI Index Journal (corresponding author)**

1. **Masnida Hussin**, Siti Fajar Jalal, and Rohaya Latip. Generic Costing Scheme Using General Equilibrium Theory for Fair Cloud Service Charging. *KSII Transactions on Internet and Information Systems* vol. 15, no. 1, Jan. 2021
2. Shareef, Z.A., **Hussin, M.**, Abdullah, A., Muhammed, A. Class-based QoS scheduling of WiMAX networks. ***Journal of High-Speed Networks***, 24 (4), art. no. JHS599, pp. 345-362 (2018)
3. **M. Hussin**, N.A. Hamid, K. A. Kasmiran, "Improving reliability in resource management through adaptive reinforcement learning for distributed systems," ***Journal of Parallel & Distributed Computing***, vol. 75 (2015), (2015).

#### **Journal (corresponding author)**

1. Siti Dhalila Mohd Satar, **Masnida Hussin**, Zurina Mohd Hanapi and Mohamad Afendee Mohamed (2021), *Towards Virtuous Cloud Data Storage Using*

*Access Policy Hiding in Ciphertext Policy Attribute-Based Encryption, Future Internet*, **13**, issue 11, p. 1-18.

2. **Hussin, M.**, Said, M. S., Norowi, N. M., Husin, N. A., & Mustaffa, M. R. Authentic Assessment for Affective Domain through Student Participant in Community Services. *Asia-Pacific Journal of Information Technology and Multimedia* Vol. 10 No. 1, June 2021: 52 - 62. e-ISSN: 2289-2192
3. Siti Dhalila Mohd Satar, Mohamad Afendee Mohamed, **Masnida Hussin**, Zurina Mohd Hanapi, "Cloud-based Secure Healthcare Framework by using Enhanced Ciphertext Policy Attribute-Based Encryption Scheme" *International Journal of Advanced Computer Science and Applications (IJACSA)*, 12(6), 2021.
4. Samual, J., **Hussin, M.**, Hamid, N.A.W.A., Mustaffa, M.R., Abdullah, A. Awareness of energy consumption in cloud data centers: A survey on employee engagement in energy management. *Journal of Critical Reviews*, 7(8), pp. 1295–1301, (2020)
5. Siti Dhalila Mohd Satar, **Masnida Hussin**, Zurina Mohd Hanapi, Mohamad Afendee Mohamed. Cloud-based Secure Healthcare Framework by using Enhanced Ciphertext Policy Attribute-based Encryption Scheme. *International Journal of Advanced Research in Engineering and Technology (IJARET)* Volume 11, Issue 12, pp.1086-1098, Article ID: IJARET\_11\_12\_106, (December 2020)
6. Othman, N., **Masnida Hussin**, Mahmood, R.A.R. Sentiment evaluation of public transport in social media using naïve bayes method. *International Journal of Engineering and Advanced Technology*. Volume 9, Issue 1, Pages 2305-2308 (October 2019)
7. Shareef, Z.A., **Masnida Hussin**. Adaptive Priority Scheduling for Downlink WiMAX Networks. *Lecture Notes in Electrical Engineering*. Volume 520, Pages 413-421 (2019)
8. Nor, N.M., **Masnida Hussin**, Rusli Abdullah. Energy-saving framework for data center from reduce, reuse and recycle perspectives. *Pertanika Journal of Science and Technology*. Volume 27, Issue 3, July 2019, Pages 1259-1277 (2019)
9. **Masnida Hussin**, Asma Zubaida Mohamed Ibrahim, Azizol Abdullah. Scalable communication infrastructure through resource provisioning approach for reliable social networking system. *International Journal of Innovative Technology and Exploring Engineering*. Volume 8, Issue 8, Pages 196-203 (2019)
10. **Masnida Hussin**, Mahmood, R.A.R, Mustaffa, M.R. Sensor communication model using cyber-physical system approach for green data center. *International Journal of Interactive Mobile Technologies* (Open Access). Volume 13, Issue 10, 2019, Pages 188-197 (2019)

**Consultancy**

1. Calm Technologies Sdb. Bhd. City for Energy Saving Project (2020 – present)
2. University Malaysia, External Thesis Examiner, 2019- 2021
3. Cyber Security Malaysia, Panel of Subject Matter Expert (SME), 2017-2019
4. Asia Metropolitan University, External Program Examiner, 2017 -2019
5. Lim Kok Wing University, External Program Examiner, 2018 -2019

**Community Service (last 3 years)**

1. Member, “JKM Pengurus Kes” E-system Project, Pusat Kesejahteraan Psikologi dan Kesejahteraan Manusia UKM
2. Head, Marketing Innovation Program using online approach for small-medium enterprises (SMEs), Rural Community Centre (PKD) Panchor Muar Johor (2016-2019)
3. Members, Parent Teachers Association, Sek Men. Keb. Bandar Tun Hussien Onn (2), 2015 – present.

**Other Related Information****Supervision:**

Program	Status	Chairman	Members
PhD	Graduated	1	2
	Current	3	3
Masters (with thesis)	Graduated	1	3
	Current	0	1
Masters (without thesis)	Graduated	10	None
	Current	0	None

**Referral:**

Assoc. Prof. Dr. Zurina Mohd. Hanapi  
Head,  
Department of Communication Technology and Networks  
Faculty of Computer Science and Information technology,  
Universiti Putra Malaysia.