

MONJUR AHMED

Experienced Academic Leader and Educator

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EXPERIENCE

Dean

Australasian Academy of Higher Education

Date: May 2024 – Present Location: Australia

- Senior Leadership to manage total academic aspects of the institute (Bachelor and Master of Cyber Security).
- Teaching Master of Cyber Security units.

Adjunct Faculty (Senior Lecturer)

EIT, NZ + Zhejiang Yuexiu University, China

Date: Oct 2023 – May 2024 Location: New Zealand, China • To teach at ZYU, China from EIT, New Zealand.

Head of Cyber Security

Hamilton City Council

Date: Nov 2022 – Aug 2023 Location: New Zealand

- Equivalent to Chief Information Security Officer (CISO) role. Large corporation, complex environment.

Lecturer > Senior Lecturer

Waikato Institute of Technology

Date: Jul 2017 – Oct 2022 Location: New Zealand

- Lecturer: Jul 2017 – Dec 2019; Senior Lecturer: Jan 2020 – Oct 2022 @ Centre for Information Technology (CfIT).
- Teaching, research supervision at undergraduate and postgraduate level. Also served as moderator for assessments and examiner for postgraduate thesis.

Programme Coordinator, Research Leader

Waikato Institute of Technology

Date: May 2019 – Oct 2022 Location: New Zealand

- Programme Coordinator: May 2019 – Feb 2020 @ Centre for Information Technology (CfIT) as additional responsibility for coordination and Management of 'Graduate Diploma in Applied IT' programme.
- Research Leader: Feb 2020 – Oct 2022 @ Centre for Information Technology (CfIT) as additional responsibility. A research managerial role involving planning, coordination, and management of the research wing of the centre.

The following part-time positions at Auckland University of Technology and Massey University were during doctoral research period.

EDUCATION

PhD in Cyber Security

Auckland University of Technology Date: 2018 Location: New Zealand

M.Sc. in Electronics & Communications Engineering

University of Greenwich

Date: 2009 Location: UK

M.S. in Telecommunications

UITS

Date: 2007 Location: Bangladesh

B.Sc. (Hons) in Computing & Information Systems

London Metropolitan University

Date: 2005 Location: UK

TEACHING QUAL.

New Zealand Certificate in Adult and Tertiary Teaching

Waikato Institute of Technology

Date: 2019 Location: New Zealand

CERTIFICATIONS

1. GIAC GSTRT
2. ISO 27001 Lead Implementer
3. TOGAF 9
4. PRINCE2

AWARD/SCHOLARSHIP

- AUT PhD Scholarship (2014)
- AUT Summer Scholarship (2014) • NCC (UK) Roll of Honour (2004) • DIIT Best Student Award (2004)

Lecturer

Auckland University of Technology

Date: Jul 2014 – Jun 2017 Location: New Zealand

- Lecturer at School of Engineering, Computer and Mathematical Sciences (SECMS).

- Taught at undergraduate and postgraduate level.

Senior Tutor

Massey University

Date: Feb 2016 – Jan 2017 Location: New Zealand

- Paper coordinator and Lecturer for both face-to-face and extra mural (distance) courses at Massey Business School (MBS).
- Taught at undergraduate level.

Visiting Lecturer

China Jiliang University

Date: Occasionally: Nov 2014-Jun 2017 Location: China

- Visiting Lecturer as an offshore teaching team member of Auckland University of Technology, New Zealand.

Senior Lecturer

Daffodil Institute of IT

Date: Dec 2011 – Apr 2014 Location: Bangladesh

- Taught modules of the external BSc programme of the University of Greenwich, United Kingdom.

Lecturer

Central Greenwich College

Date: Jul 2010 – Oct 2011 Location: UK

- Taught IT modules at UK NQF level 7 (Postgraduate Diploma).

Lecturer & Assistant Manager

London Victoria College

Date: Jan 2010 – Jun 2010 Location: UK

- Taught IT modules at UK NQF level 5 and 6 (undergraduate).

Gap in employment for pursuing higher studies in the UK.

Lecturer

Daffodil Institute of IT

Date: Sep 2006 – Aug 2007 Location: Bangladesh

- Taught modules of the external BSc programme of London Metropolitan University, United Kingdom.

PROJECT

WHIRI

Waikato District Health Board + Waikato Institute of

Technology Date: Mar 2021 – Oct 2021 Location: New Zealand

TEACHING PORTFOLIO

\faPen : Cyber Security & Computer Networks

Information Security, Internet & In

tranet Security, Governance Risk & Compliance, Enterprise networking, Computer Networks.

\faPen : Information Systems

Systems Analysis and Design, Data Modeling, Management Information Systems, Business Intelligence.

\faPen : IS/IT Project Management

IT Project Management, Global IT Project Management, PRINCE2, PM BOK, Agile.

\faPen : Research & Supervision

Research Methods, Postgraduate Research Supervision.

TEACHING TOOLS

Moodle BlackBoard

L^AT_EX

WORKSHOP

- University Lecturers' workshop on Cyber security conducted at Rajamangala University of Technology Phra Nakhon, Thailand sponsored by Education New Zealand (ENZ), 30 November 2017.

- Tertiary students' workshop on Cyber security conducted at Rajamangala University of Technology Phra Nakhon, Thailand sponsored by Education New Zealand (ENZ), 01 December 2017.

- "Quality Assurance Agency for Higher Education" - conducted at Daffodil Institute of IT, Dhaka, Bangladesh on 19 January 2014.

- "Academic and Scientific Writing" - conducted at Daffodil Institute of IT, Dhaka, Bangladesh on 29 April 2014.

INVITED TALK

- Research Presentation Event. Venue: Waikato Institute of Technology, New Zealand, 11 September 2019.
- Techweek2019. Venue: Waikato Institute of Technology, New Zealand, 20-26 May 2019.
- Research in Action: Emerging Technologies and Trends in IT. Venue: Waikato Institute of Technology, New Zealand, 20 November 2017.
- Worked as the *IT Lead* for the project team.
- A community health project.

TPC MEMBER / REVIEWER

- ICIS 2021: International Conference on Information Systems
- ACIS 2018, 2020: Australasian Conference on Information Systems
- ECIS 2020, 2021: European Conference on Information

Systems • ACM-ICCAI 2019, 2020, 2021, 2022: International Conference on Computing and Artificial Intelligence • Activity-based
 • ITNAC 2019: International Telecommunication Networks and Applications Conference • Project-based
 • AMCIS 2018: Americas Conference on Information Systems • Scenario-based
 ACSC 2015: Australasian Computer Science Conference • UCC • Interactive
 2014: IEEE/ACM International Conference on Utility and Cloud Computing • Real-life example approach
 • Flipped or Semi-flipped
 • Learners-as-Teachers approach (authentic)

NATIONALITY

New Zealand

PUBLICATIONS

\faBook : **Book**

TEACHING METHOD

- M. Ahmed and F. Hassandoust, *Cyber Security Awareness Training: A Practical Guide*, 2024, ISBN: 978-99993-2-051-1.

\faBook : **Book Chapters**

- M. Ahmed and K. Petrova, *Security and Organisational Strategy: A Cloud and Edge Computing Perspective*. In M. Ahmed & P. Haskell-Dowland (Eds.), *Secure Edge Computing: Applications, Techniques and Challenges*. CRC Press. 2021.
- M. Ahmed and N. I. Sarkar, *Privacy in Cloud-based Computing*. In G. Cornetta, A. Touhafi, & G. Muntean (Eds.), *Social, Legal, and Ethical Implications of IoT, Cloud, and Edge Computing Technologies*. IGI Global. USA, 2020.
- M. Ahmed and N. I. Sarkar, *Security in Cloud-based IoT*. In S.K. Biswas & S.K. Addya (Eds.), *Cloud Network Management: An IoT based Framework*. CNM-CRC Press (Taylor Francis). USA, 2020.
- M. Ahmed, N. I. Sarkar, and S. Jaidka, *Security in Industrial IoT*. In I. Butun (Ed.), *Industrial IoT: Challenges, Design Principles, Applications, and Security*. Springer Nature. Switzerland, 2020.

\faFile *[regular]: **Journal Articles**

- M. Ahmed, H. R. Kambam, Y. Liu, S. Jaidka, and K. Petrova, "Impact and significance of human factors in digital information security," *International Journal of Information Science & Technology*, vol. 7, no. 2, pp. 1–17, 2024.
- T. B. G. Herath, P. Khanna, and M. Ahmed, "Cybersecurity practices for social media users: A systematic literature review," *Journal of Cybersecurity and Privacy*, vol. 2, 2022.
- N. I. Sarkar, D. P. Singh, and M. Ahmed, "A survey on energy harvesting wireless networks: Channel capacity, scheduling, and transmission power optimization," *MDPI Electronics*, vol. 10(19), 2021.
- M. Ahmed, A. M. d. Valle, and G. Wilkinson, "SITProMP: A simplistic approach towards managing IT projects," *PM World Journal*, vol. 8(1), 2019.
- M. Ahmed, "SUPA: Strewn user preserved authentication system," *Global Journal of Engineering and Technology Review*, vol. 3(1), 2018.
- M. Ahmed and A. T. Litchfield, "Taxonomy for identification of security issues in cloud computing environments," *Journal of Computer Information Systems (JCIS)*, Taylor & Francis, vol. 58(1), 2016.
- M. Ahmed and M. A. Hossain, "Cloud computing and security issues in the cloud," *International Journal of Network Security & Its Applications*, vol. 6(1), 2014.
- M. Ahmed, A. T. Litchfield, S. Ahmed, A. Mahmood, and M. Meazi, "VoIP performance analysis over IPv4 and IPv6,"

International journal of Computer Network and Information Security, vol. 6(11), 2014.

- M. Ahmed and M. S. H. Mollah, "Audio codecs in VoIPv6: A performance analysis," *International journal of Computer Network and Information Security*, vol. 6(5), 2014.
- M. Ahmed, "A survey on the social impacts of on-line social networking sites," *Journal of Computer Engineering*, vol. 13(6), 2013.
- M. Ahmed, "Physical server and virtual server: The performance trade-offs," *European Scientific Journal*, vol. 9(12), 2013.
- M. Ahmed, "Handshaking problem associated with addressing scheme for the nodes of a wireless sensor network," *International Journal of Advancement in Research Technology*, vol. 1(5), 2012.
- M. Ahmed, "Wireless Sensor Network: An emerging technology," *Journal of Electronics and Communication Engineering*, vol. 2(4), 2012.

faUsers :Conference Proceedings

- M. Ahmed and M. M. A. Bhuiyan, "A mechanism to maintain node integrity in decentralised systems," in *2021 International Symposium on Privacy, Security and Smart Cities (Privacy2021)*, Newcastle upon Tyne, UK, 2021.
- M. Ahmed, M. M. A. Bhuiyan, S. Jaidka, and P. Jiranantanagorn, "A decentralised mechanism for secure cloud computing transactions," in *4th IEEE International Symposium on Future Cyber Security Technologies (FCST2021)*, Gandia, Spain, 2021.
- M. Ahmed and K. Petrova, "A zero-trust federated identity and access management framework for cloud and cloud based computing environments," in *Workshop on Information Security and Privacy (WISP) 2020 (Pre-ICIS2020 official Ancillary Workshop)*, Hyderabad, India, 2020.
- M. Ahmed, H. R. Kambam, Y. Liu, and M. N. Uddin, "Impact of human factors in cloud data breach," in *Advances in Intelligent Systems and Computing*, ISSN: 2194-5357, Springer, Switzerland, 2019.
- M. Ahmed and A. T. Litchfield, "CORP: An algorithm to prevent unauthorised data modification using collaborative nodes," in *UCC '19 Companion: Proceedings of the 12th IEEE/ACM International Conference on Utility and Cloud Computing Companion*, ACM, Auckland, New Zealand, 2019.
- M. Ahmed and N. Singh, "A framework for strategic cloud migration," in *5th International Conference on Computing and Artificial Intelligence (ACM ICCAI'19)*, Bali, Indonesia, 2019.
- M. Ahmed, "A redundancy-based security model for smart home," in *Twenty-Second Pacific Asia Conference on Information Systems (PACIS 2018)*, Yokohama, Japan, 2018.
- M. Ahmed, "SUPA: Strewn User Preserved Authentication system," in *Abstract presentation at 3rd Global Conference on Engineering and Technology (GCOET)*, Bangkok, Thailand, 2017.
- M. Ahmed, A. T. Litchfield, and C. Sharma, "A distributed security model for cloud computing," in *22nd Americas Conference on Information Systems (AMCIS 2016)*, San Diego, USA., 2016.
- M. Ahmed, A. T. Litchfield, and S. Ahmed, "A generalized threat taxonomy for cloud computing," in *25th Australasian Conference on Information Systems (ACIS 2014)*, Auckland, New Zealand., 2014.
- A. T. Litchfield, M. Ahmed, M. F. Mozumder, M. N. Uddin, and M. Rahman, "Contogram – a novel contextual requirements engineering tool," in *14th IEEE Conference on Computer and Information Technology*, Xi'an, China, 2014.

PUBLICATIONS IN PIPELINE

Book

- M. Ahmed. "Cyber Security Leadership", expected publication date: December 2024.

Journal Articles

- T. B. G. Herath and M. Ahmed. "Recommended Cyber Security Practices for Facebook Users: A Quantitative Research", status: submitted.
- M. M. A. Bhuiyan and M. Ahmed. "Security in the Cloud: A Literature Review", status: submitted.