

## EXPERT PROFILE

### ASSOCIATE PROFESSOR TS. DR. HAZLEEN ARIS

- Position: Director
- Years of professional experience: More than 20 years
- Research Centre: Institute of Informatics and Computing in Energy (IICE)
- **Research Forte:** Energy informatics, energy data hub, electricity industry deregulation, data-centric energy efficiency, software engineering, crowdsourcing, Internet of things



## EDUCATIONAL BACKGROUND

- PhD @ University of Malaya, Malaysia
- Master of Software Engineering @ University of Malaya, Malaysia
- Bachelor of Engineering (Hons.) in Computer Engineering @ University of Southampton, UK

## PROFESSIONAL EXPERIENCE

Hazleen Aris is currently the Director of the Institute of Informatics and Computing in Energy (IICE), a research institute that specialises on research and consultancy in the areas related to energy informatics. She has been holding the position since June 2019, after serving the position as the head of unit for two years before that. As one of the founding members of the institute, she was heavily involved in its setting up and the development of its strategic plan, roadmap and research framework. Prior to joining the academic world, she had a stint in the industry as an information technology (IT) executive at TNB IT (now TNB ICT) where she was involved in a number of IT development and maintenance projects run by TNB ICT. Since joining UNITEN in 2000, she has been actively involved in the research and development (R&D) activities in the domain of computer science and information technology, particularly in the areas of software engineering and energy informatics. Her research capability is recognised both locally and internationally through a number of research grants secured in collaboration with the researchers from a number of international research institutions around the world, particularly those from the European and ASEAN countries. She has been appointed as the editorial board member of a number of reputable journals and conferences, and has been in the post-graduate curriculum design advisory committee of the Faculty of Computer Science and Information Technology, University of Malaya since 2006. Apart from R&D activities, she is also involved in the teaching of specialised software engineering courses such as software quality assurance and project management at both graduate and post-graduate levels. She has been authoring and co-authoring numerous research publications to date, including those published in reputable academic journals. She is also a certified professional technologist with the Malaysia Board of Technologists (MBOT) since 2018.

## KEY PROJECT HIGHLIGHTS:

- Mapping and Tracking of Malaysia's National Digital Policies and Plans vis-à-vis the ASEAN Digital Masterplan 2025 (ADM 2025), ongoing. Role: Project leader. *This project funded by MCMC aims at identifying the gaps and proposing recommendations for future digital development policies with regards to the ADM 2025.*
- Design and Development of Distribution Network Datahub for a Future Proof Energy Efficient Utility, ongoing. Role: Member. *This project aims to design and develop a central datahub to improve the visibility of distributed energy resources at the distribution network level.*
- Design of a Model for Harmonised Regional Electricity Market for ASEAN, ongoing. Role: Project leader. *This project aims to propose a harmonised regional electricity structure that is compatible with the existing structure in each ASEAN country to facilitate cross border transactions.*
- Enhanced Continuous Face Recognition Algorithm for Smart Monitoring and Surveillance in Bandwidth Constrained Network, December 2017 – August 2019. Role: Project leader. *In this project, a lightweight algorithm for face recognition was designed and developed for implementation in premises with limited network connectivity without compromising its accuracy and performance.*