BIOBANKING – THE NEXT LEVEL

A/PROF VALLIPURAM MUTHUKKUMARASAMY

"CYBERSECURITY/DATA SECURITY"

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Muthu obtained B.Sc. Eng. with 1st Class Hons. from University of Peradeniya, Sri Lanka and obtained Ph.D. from Cambridge University. He is attached to School of ICT, Griffith University as an Associate Professor. He has pioneered the Network Security teaching and research at Griffith, and is leading the Networking & Security Research Group at the Institute for Integrated and Intelligent Systems. His research expertise is in Cyber Security, Blockchain Technology (DLT), and Wireless Sensor Networking. He has been successful in attracting national and international funding for his inter-disciplinary research activities. He has a passion for innovation and had successful collaboration with range of industries and research institutions. Muthu has published over 150 articles in international journals and conferences. He has supervised over 30 research Masters and PhD students for successful completion. He successfully proposed and led the development of the 1st Master of Cyber Security Program in Queensland. Muthu is a favourite among students and has received a number of best teacher awards. He is actively involved in community and charity activities. He is a Member of the Council, Griffith University.

ABSTRACT:

Medical data Security is increasing becoming a major challenge as we transform through digitisation and digitalization. Various aspects of data become vulnerable due to malicious and accidental actions. Cyber security tries to address these threats from technical, social, legal, business and governance aspects. As security is not an absolute thing and everyone is responsible for, awareness and understanding are essential building blocks. The seminar will cover the fundamental characteristics of data security: confidentiality, integrity, authentication, authorisation, and non-repudiation. We discuss why cyber risk becomes a challenge and how it could be addressed.

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