

## Instructor Profile



### **Dr Khoh Soo Beng,**

PhD, SMIEEE, MIEM, MIET, MIAOIP

Director  
PMO Innovations Sdn Bhd

*IAOIP Certified Professional Innovator  
Innovation 360 Licensed Practitioner  
Six 'I's@ Certified Practitioner  
Design for Six Sigma Black-Belt  
Stanford d'School d'Thinker (Design Thinking)*

Dr Khoh Soo Beng has > 28 years of experience in a wide spectrum of roles in manufacturing, design engineering, IT, 6-Sigma Black-Belt, program management, and innovation in Fortune 500 MNCs based in Malaysia and abroad. He is instrumental in establishing the CREST's Connected Healthcare Cluster and Digital Health Malaysia, where medical practitioners and technologists in Australia, UK and Malaysia, collaborate and innovate advanced health and wellness solutions with IoT, Big Data, Medtech and electronics. He is also the Northern Region Innovation Forum lead and contributed to Malaysia's National IoT Strategic Roadmap spearheaded by MOSTI as a member of the working committee.

Dr Khoh's technical expertise include real-time embedded systems, automotive Controller Area Network (CAN)bus- commonly known as the Internet of Things(IoT) today, digital dashboards, knowledge management, Lean, Six Sigma methodologies & tools (DFSS, DMAIC, Lean, VOC, KJ, Kano, QFD, CPM, DFMEAs, FMEA, FTA, TRIZ), product design & development, design thinking and innovation. During his service at Motorola, Dr Khoh piloted the Paperless Office & Digital Dashboards, manufacturing MES / SCADA back in the late 90s (today is known as Industry 4.0). He was consulted by the UK industries and helped Rockwell Automation (formerly Allen Bradley) with DeviceNet design and its Conformance Test Specification.

As a certified Design for Six Sigma (DFSS) Black-Belt of Motorola, Dr Khoh mentored design engineers to design products that met & exceed customer expectations, as well as the pervasive use of analytics and data-based decision-making. As Innovation Champion, Dr Khoh spearheaded Motorola Penang innovation initiatives and facilitated innovation workshops to develop new innovative design concepts; and was recognised as Motorola Innovation Champion of the Year in 2013. As Inventor Mentor, he helped engineers to file novelty ideas into patents. He was inducted as a Motorola Science Advisory Board Associate, i.e. top 1.5% Motorola Global Technical Staff. Other recognitions include Motorola CTO Innovation Framework Award (2013) and Senior Engineering VP Quality Star Award (2007). He has worked with many renowned innovation gurus, futurists, and spearheaded & institutionalised many rounds of innovation-related change management projects during his career.

Dr Khoh is a change agent and experienced trainer in Innovation, Industry 4.0, IoT and Digital Health. He regularly does keynote speeches and guest lectures at prestigious conferences and local universities. Dr Khoh holds a PhD in Electrical & Electronics Engineering and has > 50 published papers in IET, IEM, IEEE, SAE transactions, Six Sigma and professional research journals. He is member of IAOIP, IET, IEM and a senior member of IEEE.

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