



ORGANISED BY INFORMATION AND COMMUNICATIONS TECHNOLOGY SPECIAL INTEREST GROUP (ICTSIG)

PRE- AGM TALK ON

Securing the Future: The Role of AI in Cybersecurity

by Ir. Tejinder Singh

09 March 2024 (Saturday)

9.00am - 11.00am

Auditorium Malakoff, Ground Floor,
Wisma IEM

CPD Hours : 2 CPD

IEM24/HQ/055/T



Ir. Tejinder Singh

REGISTRATION FEES

IEM STUDENT MEMBER : FREE

IEM MEMBER : RM 15

NON IEM MEMBER : RM 70

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SYNOPSIS

In this two-hour talk titled "Securing the Future: The Role of AI in Cybersecurity," attendees will embark on a comprehensive exploration of how artificial intelligence (AI) is reshaping the cybersecurity landscape. Beginning with an overview of the current cybersecurity challenges, participants will gain insights into the transformative potential of AI in threat detection, prevention, and incident response. Through a series of real-world examples and case studies, the talk will showcase the diverse applications of AI, including threat detection algorithms, vulnerability management systems, malware detection solutions, user behavior analytics platforms, and predictive security intelligence tools. Attendees will discover how AI-driven cybersecurity solutions empower organizations to proactively identify and mitigate cyber threats, bolstering their defenses in an increasingly complex digital environment.

Furthermore, the talk will delve into the practical aspects of implementing AI in cybersecurity, discussing best practices, overcoming adoption barriers, and successful implementation strategies. Attendees will learn about the importance of collaboration and partnerships across industry, academia, and government to advance AI security research and innovation. By embracing AI-driven cybersecurity solutions and fostering collaboration, organizations can strengthen their defenses and stay ahead of evolving threats, ensuring a safer and more secure cyber landscape for generations to come.

ABOUT THE SPEAKER



Ir. Tejinder Singh currently helms a boutique engineering advisory and consulting services company, which operates in a space that intersects energy efficiency, energy management, automation, artificial intelligence, and cybersecurity. He has more than 25 years of professional experience and has worked in many industries, from steel manufacturing to semiconductor industry, from energy contracting to electrical consulting, from telecommunications to academia and ICT. He is also one of the few experts in both the electrical energy and cyber security domains. He is a certified National EnMS Expert by United Nations Industrial Development Organization (UNIDO), a Lead Auditor for ISO 27001, a Six Sigma Black Belt, a HRDF Certified Trainer, a GBI facilitator, a Registered Electrical Energy Manager (REEM) and a Certified Information Systems Security Professional (CISSP). Tejinder Singh graduated with a Bachelor's of Science degree in Electrical and Computer Engineering from Tri-State University, Angola, Indiana, USA and also holds a Masters degree in Embedded Systems Design from University of Lugano, Switzerland.

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