

IMarEST Midland's Branch.

Chairman : Dr. R Ziarati BSc C Eng FIMarEST

Secretary : W.B.Harris BSc C Eng MIMarEST

Treasurer : P Burrows I Eng MIMarEST



Lecture Meeting

Date : 30 th October 2024

Time : 19:00 Hrs.

Venue : Jephson Suite, Holiday Inn Kenilworth

Postcode : Coventry, CV8 1ED



" Cyber Security and Aspects Affecting the Maritime Industry"

By

Dr Lakhvir Singh.

Managing Director, Centre for Factories of the Future (C4FF), UK

Lecturer in Cyber Security, Warwickshire College University Centre (WCUC)

This lecture explores the evolving landscape of cyber risks in the maritime industry, from **operational technology (OT) vulnerabilities** to the increasing wave of **cyber-attacks** targeting shipping companies and port facilities. It includes in-depth analysis of high-profile case studies, such as the **Maersk ransomware attack**, while examining key cyber threats like **malware**, **GPS jamming**, and **insider threats**. The session will highlight the latest **IMO regulations**, the role of **IoT in smart ports**, and the growing importance of crew cyber awareness training. Attendees will gain valuable insights into best practices for risk management, incident response, and explore emerging trends in maritime cybersecurity, such as the integration of AI and blockchain for enhancing security across global supply chains.

Dr. Singh is a renowned researcher in cybersecurity and maritime technology, with over 15+ years of industrial experience and a proven track record in leading UK Government and EU-funded research and innovation projects. As the MD of C4FF, and a lecturer in Cyber Security at WCUC, Dr. Singh combines his technical expertise with academic rigor to drive advancements in both industries. Dr. Singh holds a PhD in applying graph technologies to knowledge management, providing him with a unique edge in tackling complex cybersecurity challenges. He is also a certified instructor in CCNA, CCNP, CCNA Security, and Ethical Hacking, and teaches these modules at WCUC, empowering the next generation of cybersecurity professionals. In the maritime sector, Dr. Singh is leading C4FF team in CyberSEA, an EU-funded initiative aimed at enhancing cybersecurity at sea through digital training, with partners from Spain, Greece, Germany, Romania, Sweden, Slovenia and Finland. His leadership extends to numerous high-profile projects, including: ENTA, CSAMGuard, VR Emergency @Sea, OPTIMISM, DESSEV. Dr. Singh recently concluded a study on the ISM Code for the IMO, analysing over 150 maritime accidents to identify root causes and improve safety protocols. **Join Dr. Singh at the IMarEST Midland's Branch lecture for an in-depth exploration of cybersecurity challenges and solutions shaping the future of the maritime industry.**

REGISTRATION REQUEST NOTICE

If you're considering attending the **the Lecture**.

Please contact **Mr.P Burrows** by eMail :- imarestmidlands@icloud.com

giving your name & any one accompanying you

This is essential to assess viability and make arrangements

Finding IMarEST Lecture Venue at Abbey End Kenilworth.

The Postcode to get to the area is. CV8 2ED

What 3 Words App :- “hosts.calm.grabs”.

For **Bus Services** there is a bus stop adjacent to the roundabout with service from Coventry and Leamington Spa. For **Train Services**, the station is close by. For both Bus and Trains services please consult timetables.



When planning your journey you may use a service like Google and Apple Maps to navigate to the location. The Holiday Inn is located at Abbey End on the roundabout in the centre of Kenilworth. There is limited parking at the hotel and there is additional parking at Square West Car Park or at Abbey End Car park if required.

Lecture and Refreshments

I apologise for the last minute change of venue caused by confusion over the venue location and hope this won't discourage you from attending the event. As we believe cyber security is of upmost importance not more so with shipping travelling the world.

Due to the high cost of Hotel coffee, teas and pastries, available as part of booking, please be aware that we would like a contribution towards their cost. (£4.00)

Please let me know the numbers attending the event by email asap

imarestmidlands@icloud.com

Please give your name any guests you may be bringing as I have booked a small room and numbers are limited.