

# TDSI NEWSLETTER

A quarterly newsletter of TDSI featuring the institute news, event updates and any new and upcoming offerings for the defence community.



NEW



## Joint-Master's Degree Programme (currently in approval)

In response to a growing demand for interdisciplinary and globally attuned expertise in digital engineering, TDSI will be launching the Joint MSc in Defence Systems Engineering and Technology in partnership with the US Naval Postgraduate School. This new track combines core strengths from the National University of Singapore and the US Postgraduate School, offering integrated perspectives through 10 curated core courses. Designed for defence professionals with a focus in systems engineering, this new programme offers the flexibility to explore specialised interests through elective courses in areas such as Robotics, Space Technology, and Combat Systems. It aims to develop systems-level thinking and innovation capabilities across domains.

## 2025 TDSI Learning Symposium

Join TDSI in its 2025 learning symposium on 24 July, an annual learning event for the defence eco-system, with the following key highlights:

- Distinguished Speakers Session featuring thought leaders from defence, industry and academia, sharing perspectives on current and future defence innovations.
- Emerging technology spotlights including insights into embracing and harnessing digital technologies to enhance defence operations.
- Opportunities to network with defence professionals, thought leaders, partners and colleagues across domains and functions.



## Continuing Education

Whether you are planning to deepen your technical capabilities or strengthen your competencies or simply to broaden your strategic foresight in systems engineering and technology domains, stay connected with TDSI to be aware of any upcoming new short courses and technology seminars to support your professional development journey. Innovation in defence starts with knowledge!



### Upcoming Short Courses

<https://tdsi.nus.edu.sg/events/category/executive-courses/>



### Upcoming Technology Seminars

<https://tdsi.nus.edu.sg/events/category/seminars/>

Thrive in the digital age with short courses in these high-priority domains in emerging technologies:

- Enterprise Blockchain Security: AI Integration, DEPIN, and Future Threat Response (**Rescheduled**)
- Operationalising AI in Cyber Defence: Compliance, Response, and Governance
- Swarm Intelligence and AI-Driven Unmanned Aerial Systems
- Enterprise Cybersecurity Masterclass: AI, Compliance and Quantum Preparedness
- Quantum Technologies: From Qubits to Quantum Networks and Beyond
- Generative AI and Its Applications (**New**)
- Autonomous Mobile Robotics - Foundations, Challenges and Opportunities (**New**)

TDSI Technology Seminar Series continues to spotlight emerging technologies and their dual-use potential by inviting thought leaders, subject matter experts, and defence practitioners to share their insights on trending technology domains:

- 100 years of Quantum Science and Technology

## LEARN. INNOVATE. ADVANCE

Connect with TDSI to explore programmes and courses built for defence professionals.

Email us at [tdsiwebsite@nus.edu.sg](mailto:tdsiwebsite@nus.edu.sg) for enquiries.