



Mission Engineering: Enabling digital transformation to accelerate Defence capability

Speaker



Dr James Moreland Jr retired from the US Department of Defence in 2020 after 32 years of service and is now Vice President of Mission Engineering and Integration at Raytheon Air and Space Defence Systems. His previous roles include Executive Director of Mission Engineering and Integration, Deputy Assistant Secretary of Defence for Tactical Warfare Systems, and Chief Engineer at the Naval Surface Warfare Centre. He holds degrees in Mechanical Engineering (B.S.), Systems Engineering (M.S., Ph.D.), and National Resource Strategy (M.S.). Dr. Moreland has received numerous awards, including the Navy Distinguished Civilian Service Award and OSD Exceptional Civilian Service Award, and is recognised for his pioneering work in Mission Engineering and Integration.


Talk

The recently released Defence Digital Engineering Strategy emphasises the need to drive transformation and accelerate the delivery of world-class Defence capabilities. Central to this strategy is Mission Engineering, which serves as the cornerstone for future integrated joint force design. Dr Moreland, with his extensive experience from the US Department of Defence and Industry, will provide insights inspired by US advancements. His presentation will cover the integration of complex systems-of-systems and the enhancement of mission capabilities through mission engineering and integration. Additionally, the session will highlight the importance of professionalising Mission Engineering in Australia. This strategic initiative is crucial to ensure that the nation's future force remains agile, robust, and fully equipped to uphold security and achieve operational excellence.

 **Thursday 26th September 2024**
08:15 am – 10:30 am

 Register at [Eventbrite](#)

 **Building 32 – Lecture Theatre 10**
ADFA, UNSW Canberra

 For further information
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