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Interference

Survivable Communications and Autonomous Delivery Service (SCADS)

Hear about the Survivable Communications and Autonomous Delivery Service (SCADS) developed by Defence Science and Technology Group.

5.30pm, Thursday 20 June 2019

Engineers Australia
Level 11, 108 King William Street, Adelaide

Survivable Communications and Autonomous Delivery Service (SCADS) is an autonomous swarming framework that supports 'data-ferrying' to allow the exchange of user information when end-to-end connectivity cannot be achieved, including urban environments, where line of sight cannot be achieved, or in denied RF environments where an adversary seeks to

prevent RF communications.

This presentation will cover the underlying research into multiple data-ferrying behaviours operating in difficult environments, as well as results from a recent successful real-world trial providing data-ferrying between disconnected ground nodes using multiple UAVs.



Meet the Speaker: Mathew Elliot, Defence Science and Technology Group

Mathew Elliot is a Team Leader facilitating research and development in assured communications as part of the Survivable Networks Group, Defence Science and Technology Group. Mathew joined Defence following completion of B.Eng (Hon.) in Computer Systems in 2001. His extensive experience encompasses modelling and simulation within the tactical network communications domain, including design and development of software products to commercialisation stage.

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