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Survivable Communications and Autonomous Delivery Service (SCADS)

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

Thursday, 20th June 2019

Free to EA, IEEE, IET and Telsoc Members.
Free for EA, IEEE, IET and Telsoc Members. $30 for non-members.

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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.

Date and Time

Thu, 20 Jun 2019

17:30 - 19:00 ACST

Location

Engineers Australia
Level 11, 108 King William Street
Adelaide SA 5000
Australia

Presenter(s)

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.