

The design and development of unmanned systems

Chris Mounkley founder and Managing Director/Chief Technical Officer of Cyber Technology



Joint Electrical Electronic Papers

EVENT DETAILS

Date:

Wednesday, 11 April 2012

Time:

5.30 pm start

(Light refreshments will be served after the event)

Venue:

Auditorium
Engineers Australia
712 Murray Street
West Perth

Cost:

Free

RSVP:

Not required

Chris will talk about the engineering and electronics that go into the design and development of unmanned systems, whether they are based on air, ground or water. He will then present some practical examples of Unmanned Aerial Vehicles (UAV) that Cyber Technology has designed, built and operated. The focus will be on how UAVs can be used in non-military or commercial applications. The presentation will be supported by video clips of the equipment in operation and a display of some of the equipment used.



ABOUT THE SPEAKER

Chris Mounkley founder and Managing Director/Chief Technical Officer of Cyber Technology

Chris served 15 years in the British Army both in land based and helicopter aviation roles. In 1987 he came to Australia where he set up his own Company and acquired another. He designed and built several micro gas turbine engines and airframes for use by DSTO and the Spanish equivalent INTA. He has produced over 850 engines to date. In late 2004 Chris sold his shares in the engineering company and started to make a push into the unmanned aircraft field.

Chris worked on contract to Air Affairs Australia to design and build the Phoenix micro jet powered high speed disposable target system for air defence training. This was the springboard to start Cyber Technology in which Chris has established a one stop shop for unmanned systems. They design, develop and manufacture all their own airframes and auto pilot control equipment and systems. Currently Cyber Technology has a staff of some 20 people, split between admin, R+D and manufacture.

Two of Chris's most recent achievements have been the completion of a major R+D project to develop a highly accurate and versatile auto pilot and ground station system for use in the Company's products and, in conjunction with Cyber Technology's General Manager and Chief Pilot Mr Paul Dewar, steering the Company through the CASA UAV Air Operations certification process.



Representing the ITEE Panel

