Title: Communication Complexities for Unmanned Ariel Systems used as Swarms

Abstract:

Unmanned has traditionally be used as remote piloted systems and unless military not able to fly beyond the visual line of sight of the person operating. This paper will present the initial findings on a research topic of how UAVs are developing to add the advances in Swarm us with direct and indirect communication systems. It further parallels the technical and legal issues needed for operational use.

Bio: Professor Ian R. McAndrew FRAeS is a very highly qualified academic with extensive experiences within industry and internationally recognised researcher with extensive teaching experience at all levels of education. Conference and Journal publication of 71 over 29 years, six books and numerous Keynote presentations around the world. Has supervised 118 students to their doctoral completion in USA, UK, Germany, Greece, Italy, Jordan, Singapore, Malaysia, UAE, Kenya and South Africa. Extensive consultancy experience internationally for multi-nations and organisations. Leading a global doctorate program of in excess of 330 students. As the Dean of Doctoral Programs at Capitol Technology University he is responsible for 18 different Doctoral Programs ranging from Cybersecurity, Analytics, Aviation and Technology based.