



‘Innovating with Drones for Public Good’

Darren Ansell, Professor of Aerospace Engineering

Tuesday 25th June 2019 at 12pm, Mitchell and Kenyon
Lecture Theatre, UCLan, PR1 2HE followed by refreshments
[map of campus](#)

To confirm attendance – please contact
Sue Conduit, Research Services, UCLan

Tel No: 01772 893390

Email: saconduit@uclan.ac.uk

New drone technology has great potential to address major global challenges, from disaster response to the speedy delivery of goods to the world's hardest-to-reach places. With this in mind, UCLan set out to explore the potential applications for this burgeoning technology in the world of social good. The drone trend is also impacting the social sphere, whether it be in the co-ordination of aid operations or providing supplies for people in crisis regions. Increasingly, how we use drones is not a technical but rather a societal question. In comparison to remote-controlled hobby aeroplanes or helicopters, a drone is capable of flying autonomously and acting intelligently, and can also automatically avoid obstacles. In this lecture, a number of UCLan drone projects will be presented covering areas such as search and rescue, agriculture and land mine clearance. Innovative uses for these "flying helpers" will be shown and a vision for the future of drones in our cities.

Further information on Prof Darren Ansell can be found at:

https://www.uclan.ac.uk/staff_profiles/dr_darren_ansell.php

Kuru, Kaya , Ansell, Darren , Khan, Wasiq and Yetgin, Halil (2019) Analysis and optimisation of unmanned aerial vehicle swarms in logistics: An intelligent delivery platform. IEEE Access . (In Press)

Khan, Wasiq, Ansell, Darren, Kuru, Kaya and Amina, Mahdi (2016) Automated Aircraft Instrument Reading Using Real Time Video Analysis. In: 8th IEEE International Conference on Intelligent Systems IS'16, 4-6 September 2016, Sofia, Bulgaria.

Egglestone, Paul, Ansell, Darren and Cook, Clare Elizabeth (2013) DEMO: UAVs in crowd tagged mountain rescue. In: Proceedings of the 17th International Academic MindTrek Conference: "Making Sense of Converging Media", MindTrek 2013, 01/10/2013-04/10/2013, Tampere; Finland