

# ARGUS

Aerial Robotics Group for Universities and Scientists

Thursday 26<sup>th</sup> Nov Wide Lane

Who, why, what, how, when.....



**UK-RAS**  
**NETWORK**  
ROBOTICS & AUTONOMOUS SYSTEMS

# Who (so far)?

- Bath
- Queens
- Bristol
- Loughborough
- Exeter
- Manchester
- Liverpool
- SAMS?
- Imperial
- Birmingham
- Southampton



# Website

- Map view
- Who?/ Expertise
- Platforms
- Facilities
- Equipment and sharing protocol

# Logo



	C: 49 R: 150 M: 23 G: 178 Y: 31 B: 178 K: 5		C: 24 R: 188 M: 33 G: 159 Y: 54 B: 119 K: 11		C: 0 R: 87 M: 0 G: 87 Y: 0 B: 87 K: 80		C: 0 R: 255 M: 0 G: 255 Y: 0 B: 255 K: 0
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# Summer 2016 Demonstration and flying event



# Why?

- Although competitors also have many areas for collaboration
- No other forum aligned with our interests
  - RAes very little academic involvement; mainly industry
  - IMechE very proactive and UAS competition a great initiative but.....
  - ARPAS; industry body
  - EPSRC; RAS NETWORK broad, and propose that we “sit under” this group
- Need to promote our collective interests
- Join NERC and EPSRC “worlds” in this area

# What?

- Share experience in the development of platforms
- Share experience in the use and operation of platforms
- Act as a UK lobbying group in dealing with the CAA and for getting permissions
- Act as a lobbying group for future funding and resources
- Collaborate in facilitating undergraduate competitions (such as the recent iMeche Aerial Robotics competition)
- Share experience in the use of Aerial Robotics for teaching undergraduate topics such systems engineering, control, comms, data management etc
- Buying power? Autopilots/ systems/ etc?

# How?

- Seem to be 2 distinct sub-groups;
  - Engineering researchers developing Aerial Robotics Technology
  - Science researchers innovating around the application of Aerial Robotics Technology
- Bring them together under ARGUS
- Hold a “demo and seminar” event annually (summer)
- Hold a planning meeting annually (winter)
- Website