

Symposium: Hybrid-electric and Electric Aircraft

The ATSLab will be hosting the research results symposium Hybrid-electric and Electric Aircraft – researching the challenges to introduction on Tuesday 30 May – 10.00 to 17.00, will share findings from four EPSRC supported studies that have been scoping key issues towards future electric aircraft. The six-month studies covered:

- Structures – composites technologies, jointing and certification
- Propulsion – tools, facilities and approaches for hybrid-electric power
- Systems – HV aero power systems, boundary layer ingestion motors and superconducting power networks
- Environment, economics, and operations – system level analysis of delivering a future electric aircraft fleet

This event will inform stakeholders and help the community decide on the future research path.

The symposium will be held at Woburn House, 20-24 Tavistock Square, London WC1H 9HQ - <http://www.woburnhouse.co.uk> - the venue is close to Euston station.

The main content of the day will be presentations by the lead university for each study introduced by Aerospace Technology Institute (ATI) champions. There will be a ‘poster session’ at which participants will be able to ask questions of researchers and break-out discussions to stimulate future work plans.

Hybrid-electric and electric aircraft development is a massive and exciting ‘grand challenge’ – UK academia has grasped the opportunity to scope out research that will help UK aerospace lead this disruptive new technology.