Name: Jan White

- **Contact Information:**

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- **Background:**

  Research Engineer (EngD), Additive Manufacturing of Aluminium
  MEng Manufacturing Engineering, Loughborough University, 2012
  Industry experience: Nestlé, Syngenta, Sarantel

- **PhD topic:** "Aero Engine Controls produced by Additive Manufacturing"
  Research carried out in conjunction with AEC Rolls Royce, aiming to develop the manufacturing capability of additive manufacturing equipment for the production of complex hydraulic control units.

  Additive layer manufacture offers potential improvements in lead time and functionality for certain applications within complex aerospace control systems – e.g. availability of materials, process rates, costs, process repeatability and an agreed route to approval and qualification for safety critical parts. Without certainty of capability, designs will not be optimised for new technologies and many of the potential benefits will be lost. This project will develop more definitive performance guidelines for the chosen systems.

Experimental Techniques/Equipment:

SEM (Sirion), TEM (CM200), EBSD (CamScan), Neutron and X-ray diffraction, mechanical testing, thermal analysis, tomorraphy,

NDA, AFM, Thermal analysis (DSC), ETMT, M2 SLM, Trumpf DLF

Publications: none to date