USFD – The University of Sheffield:
- University
- Higher Education and Research

Technical contribution:
- KGT2; Drag reduction techniques

Projects:
- Robust shock control at high transonic speeds
- Aircraft and wing aerodynamic optimisation: adjoint methods and GA based methods
- Flow separation and skin friction control using synthetic jets, oscillating surface, plasma, other novel actuators (MARS)
- FSI for flexible micro air vehicles at low Reynolds numbers

Future activities:
- Adjoint based optimisation for natural laminar flow wings
- Novel configurations for future transport aircraft
- Hybrid RANS-LES study of aircraft at off-design flight conditions

Selected Publications:

Contact Data:
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