

Dept. Research Themes

Multi-objective Optimisation
Flow Control, Predictive Control

Energy Harvesting Sensors
GPU / FPGA Computing

Control and
Optimisation

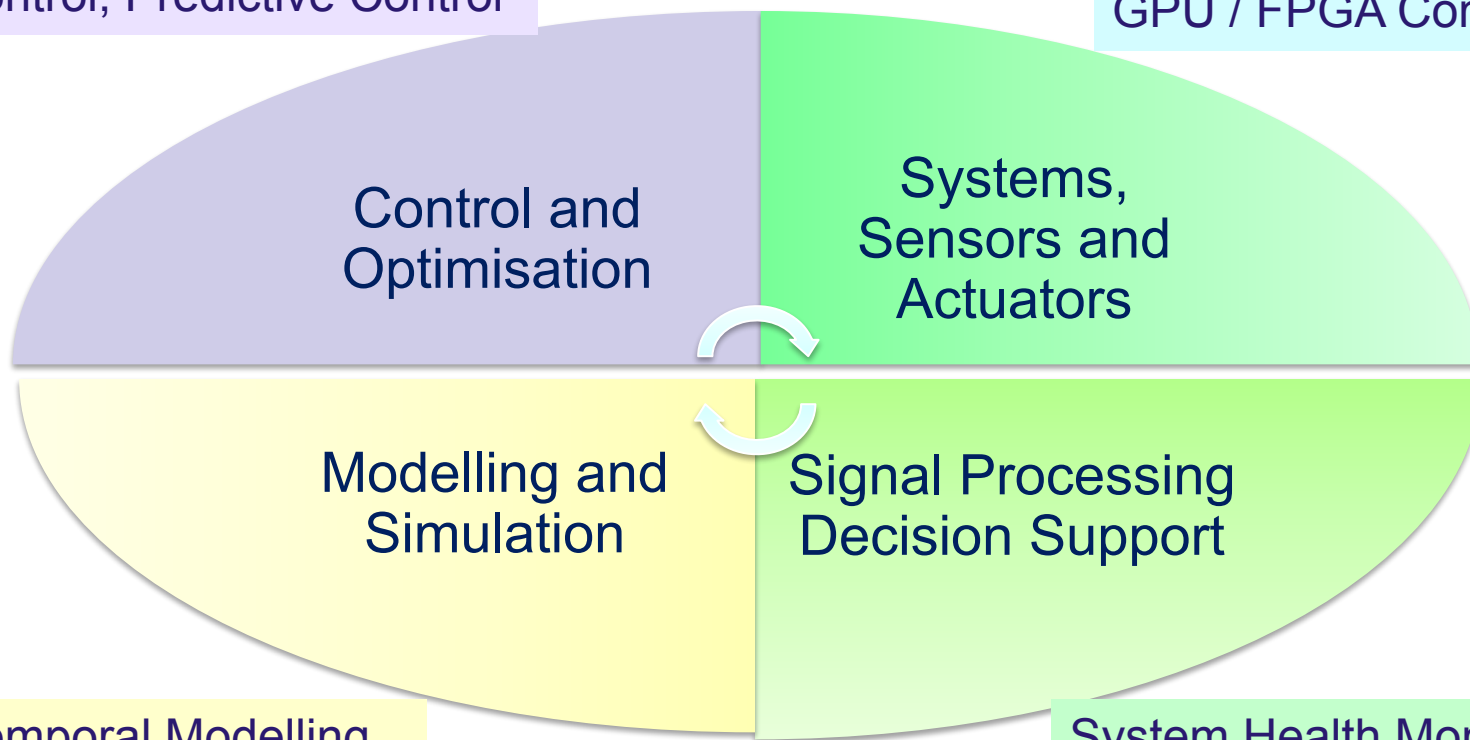
Systems,
Sensors and
Actuators

Modelling and
Simulation

Signal Processing
Decision Support

Spatiotemporal Modelling
Agent Simulation

System Health Monitoring
Information Extraction

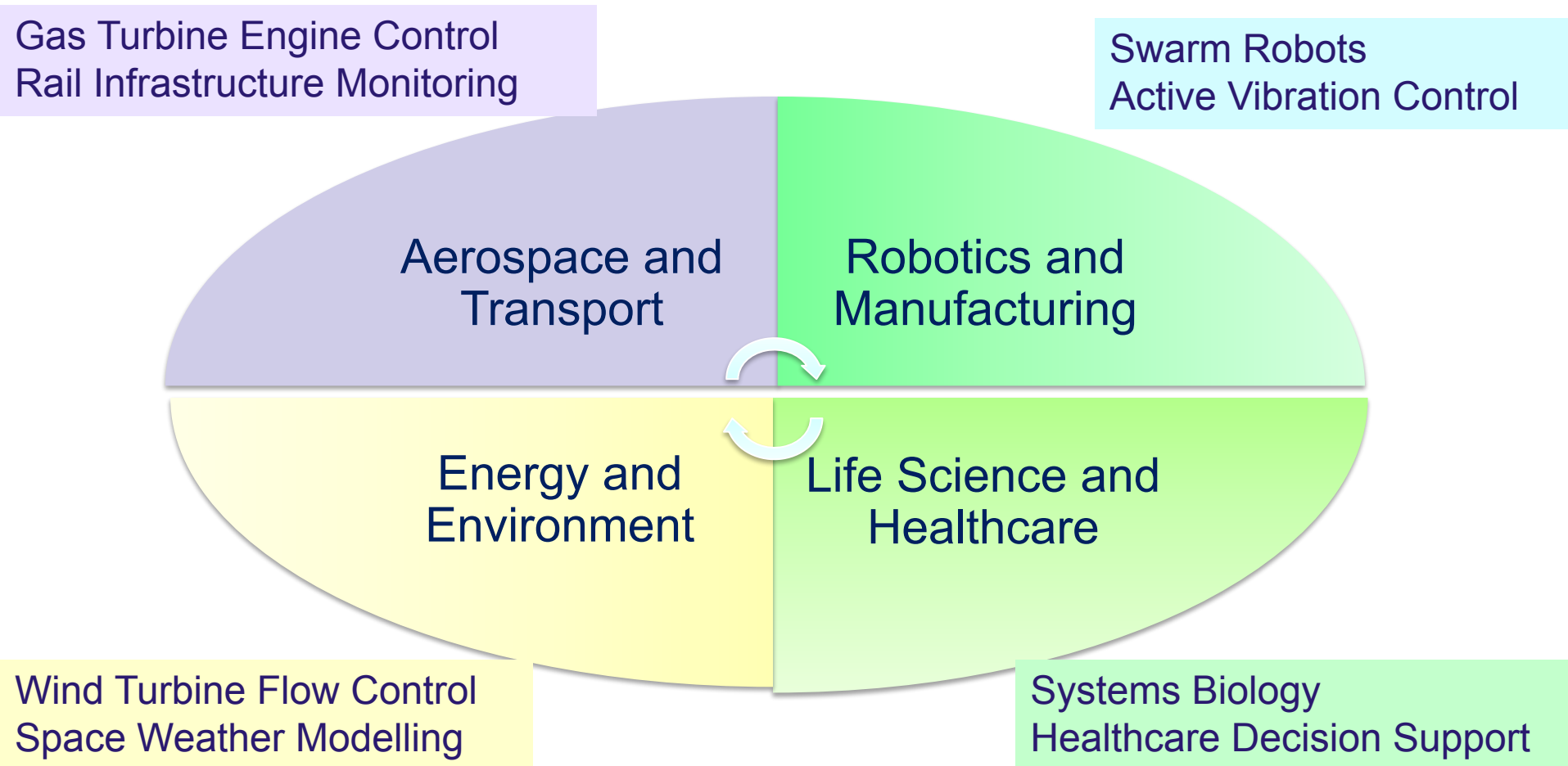


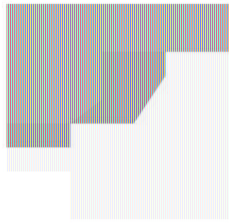


The
University
Of
Sheffield.

Department
Of
Automatic Control & Systems Engineering.

Dept. Research Applications



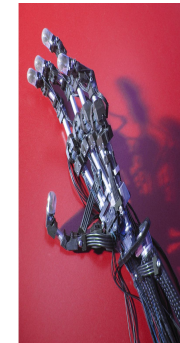
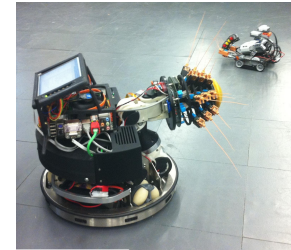


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Sheffield Centre for

Our aims:

- To integrate advanced robotics research within the two Sheffield Universities
- To forge a strong link between research into new robotic technologies, human-robot interaction, and our understanding of the impact of robotics on human society
- To make Sheffield a regional, national, and international hub for research that will develop the robots of the future





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Sheffield Centre for

Research areas:

- Swarm, co-operative and reconfigurable robotics
- Mobile robotics – control, mission planning, SLAM
- UAVs and UGVs
- Assistive and rehabilitation robotics
- Human-robot interaction
- Industrial robotics
- Bio-inspired robotics – soft robotics, active touch and vision

