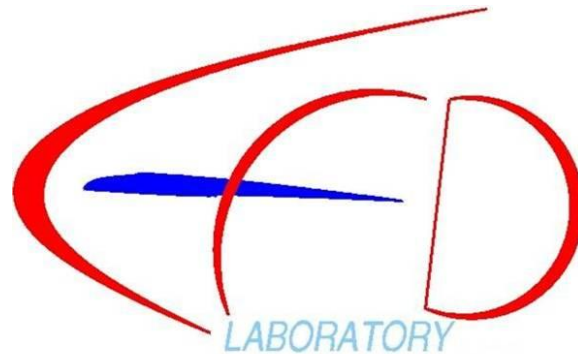


Bifurcation and Model Reduction Techniques for Large Multi-Disciplinary Systems





Foresight Centre

19th century: Liverpool Infirmary

1978: closed

1990's refurbished



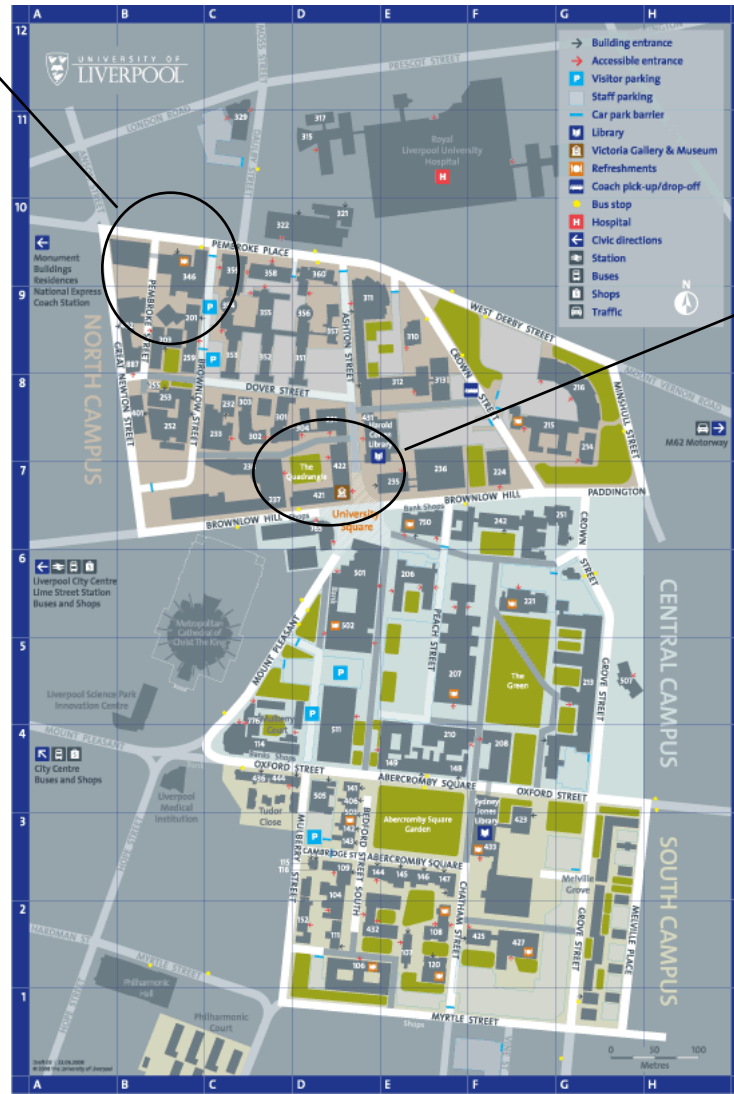


Foresight Centre

18th century: Liverpool Infirmary

1978: closed

1990's refurbished



University of Liverpool

Founded 1881

18500 students

4500 staff

Faculties of Arts,
Science, Engineering,
Medicine, Social
Studies, Veterinary
Science

6 Nobel Laureates



Foresight Centre

18th century: Liverpool Infirmary

1978: closed

1990's refurbished

Department of Engineering

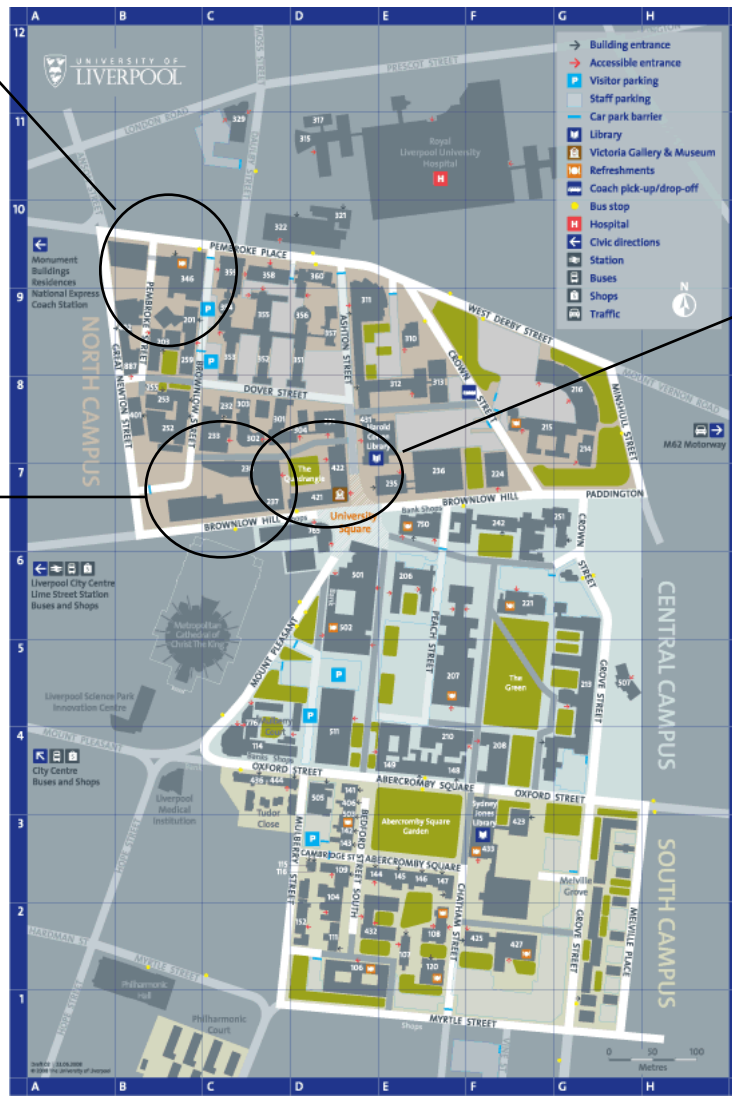
800 students, 50 academics

£36 million point investment

RAE 5* rating

Active Learning

The Liverpool Engineer



University of Liverpool

Founded 1881

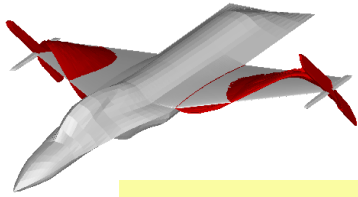
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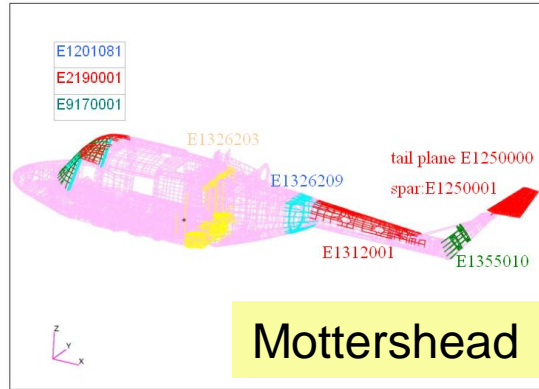
6 Nobel Laureates

Aeroelasticity



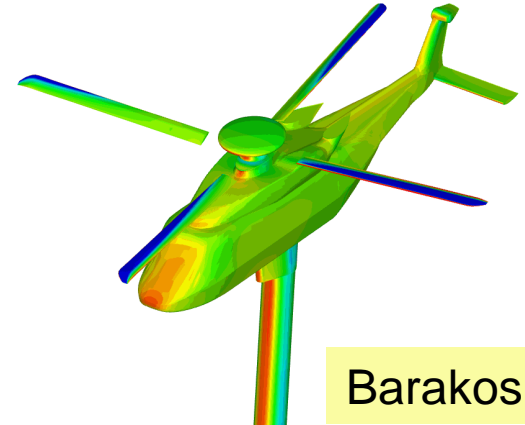
Badcock

Model Updating



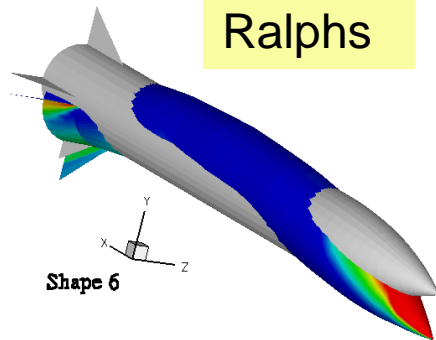
Mottershead

Rotorcraft CFD



Barakos

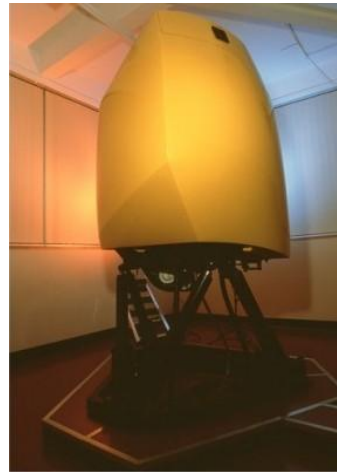
Aerospace Research



Ralphs

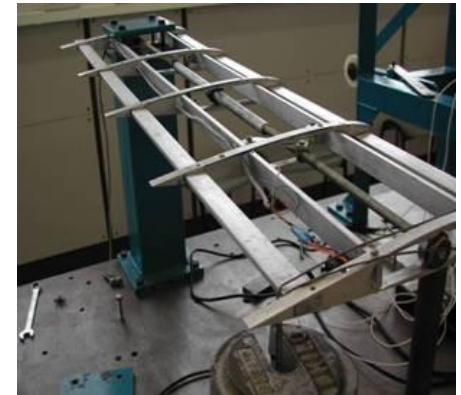
Missile Guidance

Padfield



Flight Simulation

Cooper



Active Structures

Workshop goal

Through cross-discipline interaction, improve the effectiveness and versatility of computational methods for representing and interpreting large, multi-disciplinary systems

Thursday morning

Nonlinear Dynamics

Climate

Thursday afternoon

Algorithms

Aeroelasticity

Friday morning

Chemical Reactors

Marine

Friday afternoon

Discussion

Communication is the key

Buffet Dinner starting from 7pm

Transport to and from Malmaison lobby – meet at 8.30am

Malmaison
Hotel



Liver Building



University