

Vehicle dynamics

Vehicle Dynamics Group

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The Vehicle Dynamics Laboratory provides a number of key facilities to support research and consultancy activities in the area of vehicle dynamics. It has strong links with the UK and International Automotive industry including OEMs and Tier 1 suppliers including:

- Jaguar Cars
- Goodyear Tyres Technical Centre, Luxemburg
- Michelin Americas R&D Corp
- Dunlop Aircraft Tyres Ltd
- Gibbs Technologies Ltd



Areas of interest include Tyre Dynamics, Vehicle Ride and Handling, and Vehicle Structural Dynamics and interior noise. Facilities include:

- Four-post Vehicle Dynamics rig
- Tri-axial Tyre Dynamics rig
- Vehicle Damper test rig
- Vehicle Structural Dynamics analysis facility
- General noise and vibration measurement instrumentation

These are supplemented by extensive computational facilities.