

## Other testing applications

The TRAIN Rig can potentially be used for a wide range of vehicle testing, but is particularly useful where the motion of a body in the vicinity of the ground is being studied.



### Possible applications include:

- Investigation of road vehicle behaviour in cross winds
- Measurement of road vehicle aerodynamics in confined situations
- Measurements of road vehicle aerodynamics during overtaking and vehicle passing.
- Measurement of pollutant dispersion around moving road vehicles in rural and urban geometries
- Investigations of aircraft and wing behaviour in close proximity to a ground plane
- Investigation of the aerodynamics of bluff bodies in proximity and intermittent contact with the ground (sports balls, wind borne debris)

### Links and contact

- [Overview of the rig \(/research/activity/railway/research/train-rig.aspx\)](/research/activity/railway/research/train-rig.aspx)
- [For technical specifications of the rig \(/research/activity/railway/research/train-specification.aspx\)](/research/activity/railway/research/train-specification.aspx)
- [Details of railway aerodynamic testing \(/research/activity/railway/research/train-aerodynamic.aspx\)](/research/activity/railway/research/train-aerodynamic.aspx)
- [Details of other possible aerodynamics tests \(/research/activity/railway/research/train-testing.aspx\)](/research/activity/railway/research/train-testing.aspx)

- [Details of some previous applications \(/research/activity/railway/research/train-applications.aspx\)](/research/activity/railway/research/train-applications.aspx)

For further information please contact Professor Chris Baker on [c.j.baker@bham.ac.uk](mailto:c.j.baker@bham.ac.uk) (<mailto:c.j.baker@bham.ac.uk>)