



# Pedestrian impacts with small city cars

Presented by David Richards  
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# Pedestrian impacts with small city cars



- Part time PhD, based at TRL
- Started in April 2009
- TRL supervisor: Gary Coley

CARDIFF  
UNIVERSITY

PRIFYSGOL  
CAERDYDD

- PhD will be awarded by Cardiff School of Engineering
- Meetings at Cardiff at least quarterly
- Supervisors: Huw Davies and Karen Holford

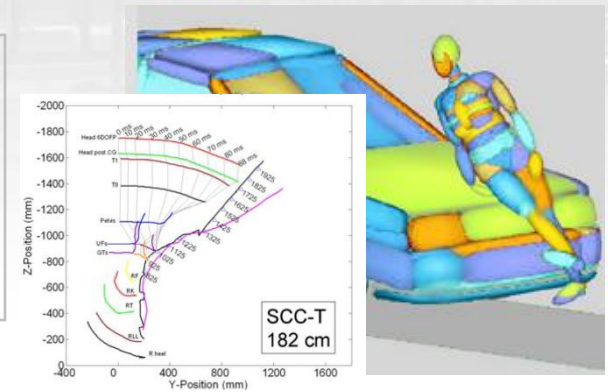
# Pedestrian impacts with small city cars



- **What is a small city car?**
  - Superminis (have to pass legislation designed for all types of passenger car)
  - Quadricycles (don't have to pass legislation)

- **Kinematics of pedestrian impacts**

- Have rarely been tested for small city cars
- PhD will study the kinematics using numerical modelling software such as MADYMO



- **Pedestrian impact countermeasures**

- Need to be appropriate for the kinematics of pedestrian impacts with that type of vehicle



**Do You  
Have Any  
Questions?**