

# Resource Summary Report

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## Centre for Automotive Safety Research

RRID:SCR\_008573

Type: Tool

### Proper Citation

Centre for Automotive Safety Research (RRID:SCR\_008573)

### Resource Information

**URL:** <http://casr.adelaide.edu.au/rotater/>

**Proper Citation:** Centre for Automotive Safety Research (RRID:SCR\_008573)

**Description:** The Centre for Automotive Safety Research at the University of Adelaide, is internationally recognised as a leading research organisation in its field. The Centre conducts high quality independent research that enables rational decision making, leading to a reduction in the human and economic losses from road crashes. The Centre is focused on: \* Conducting multidisciplinary research to understand how road crashes and the resulting injuries are caused \* Proposing and evaluating ways to prevent crashes and injuries \* Providing independent professional advice on road safety matters to government and non-government organisations in Australia and overseas The Centre began life in 1973 as the Road Accident Research Unit (RARU) with the planning and undertaking of an in-depth study of road accidents in the Adelaide metropolitan area. From 1981 through 1998, the Unit's work was supported by a grant from the National Health And Medical Research Council. During that grant period RARU's research program was concentrated in two areas: the study of brain injury mechanisms in fatally injured road users and the epidemiology of drink driving and alcohol related crashes. Notably, an investigation of the influence of vehicle speed in fatal pedestrian accidents led on to case control studies of the relationship between a driver's travelling speed and risk of involvement in a casualty crash in both urban and rural areas. RARU's analysis of the occurrence of brain injury in road crashes called into question the then prevailing paradigm of brain injury mechanisms. This prompted the development of an experimental study of axonal injury that, in turn, led to the Japan Automobile Research Institute initiating a formal collaborative research agreement with RARU, and now with CASR, in the area of crash injury biomechanics. Also a part of our legacy is that over 40 years ago the Centre's previous Director, Professor Jack McLean, co-authored the first paper in the world to show that car design played a major role in pedestrian protection, revealing that pedestrians are run under, not over, by the striking car.

**Synonyms:** Centre for Automotive Safety Research

**Resource Type:** data or information resource, database, organization portal, portal

**Resource Name:** Centre for Automotive Safety Research

**Resource ID:** SCR\_008573

**Alternate IDs:** nif-0000-31471

**Record Creation Time:** 20220129T080248+0000

**Record Last Update:** 20260905T133044+0000

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## Ratings and Alerts

No rating or validation information has been found for Centre for Automotive Safety Research.

No alerts have been found for Centre for Automotive Safety Research.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.