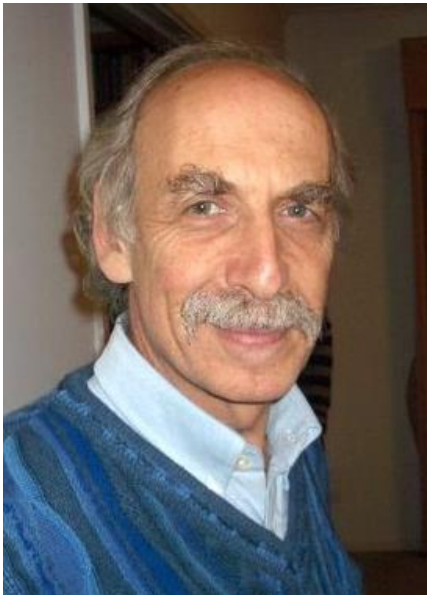




Curriculum Vitae of Dr George Rechner [June 2015]

Biography



Position: Principal Engineer, Director, George Rechner & Associates Pty Ltd.

Expertise: Forensic & Safety Engineering, Road Safety; Workplace Safety, Accident Investigation & Collision Reconstruction, Failure Analysis; Expert Reports & Litigation Support.

Qualifications: B.Eng., M.Eng.Sci., PhD, MIEAust., CPEng., FSIA, MSAEA

Overview: Dr George Rechner is a professional engineer with more than 40 years of applied, practical, academic and research experience in five main areas including:

- **Forensic and Safety Engineering;**
 - **Road Safety;**
 - **Workplace Safety (OH&S);**
 - **Collision & Accident Reconstruction**
- **Expert reports, Expert Evidence for Court, and litigation support**

Dr Rechner's major specialisation has concerned the application of the engineering sciences to safety in areas ranging from vehicle collisions and road safety through to occupational health and safety in the workplace.

Forensic and Safety Engineering /Road Safety

In 1989, Dr Rechner founded an independent consultancy in forensic and safety engineering. He has provided expert evidence and expert reports for hundreds of litigation cases in Australia since 1989, and over 30 vehicle product liability cases in the US from 1995 to 2008. He has provided expert evidence in major courts both in the US and Australia.

Dr Rechner has been involved in a wide range of cases ranging from mobile equipment and vehicle failures, structure failures, through to safety reviews and risk assessments for vehicle fleets for major organisations.

Road safety has been a long standing interest and passion of Dr Rechner, and has carried out a number of major vehicle and road safety projects as a Senior Research Fellow at the Monash University Accident Research Centre (MUARC) from August 1990 to January 2003. His vehicle and road safety related work has been on going, and in 2012, Dr Rechner received the title Adjunct Associate Professor in the Transport and Road Safety Research (TARS), Faculty of Science, University of NSW. Dr Rechner was the Project Manager for the Quad Bike Performance project, from its start in 2012 to completion in early 2015. This major safety project was funded by WorkCover NSW, and led by Professor Grzebieta from TARS.

Workplace Safety/ OH&S

Dr Rechnitzer has been active in research and development, and in legal cases, over many years and has also carried out major OH&S projects. While at Monash University Accident Research Centre (MUARC) as part of the OHS Research Group, Dr Rechnitzer's major projects have included transport vehicle safety, forklift through to agricultural and construction industry safety. He was part of a three-year project for VWA looking at safety in the construction industry. He has also provided litigation support in many OH&S matters involving heavy vehicles, forklifts, train collisions, mobile equipment, cranes, and system of work, conducting investigations and expert reports for Coronial Inquests and WorkCover, Victoria and NSW.

Dr Rechnitzer is a Fellow of the Safety Institute of Australia (SIA). He has been active in the SIA for several years and chaired its National Technical Panel from 2009 to 2011. He has been on the Editorial Board of the Journal of Health & Safety, Research & Practice, SIA since 2010.

Collision & Accident Reconstruction

Dr Rechnitzer has conducted extensive work in road safety, crashworthiness (cars, trains, trucks and other mobile equipment), occupational health and safety, accident and incident investigation, analysis and countermeasure development for injury prevention.

He has carried out several in-depth investigations for the State Coroner of Victoria, as well as consultancies on vehicle safety-related projects for BHP, Australia Post, SECV and the Australian Industrial Relations Commission.

He has also carried out major projects for Victoria Police, Australian Defence Department, VicRoads, Federal Office of Road Safety, Telstra, Victorian WorkCover Authority, and Australia Post, amongst many others. Projects have included vehicle, heavy vehicle and forklift safety; vehicle rollover; and transport and construction industry safety.

He graduated in 1971 from Monash University with a Bachelor of Engineering (Civil, Hons), received a Master Engineering Science degree from Melbourne University in 1979, and obtained his Doctor of Philosophy (heavy vehicle safety) from Monash University in 2003. He has attended specialist courses relating to Injury Research and Prevention, Crash Analysis and Reconstruction, Biomechanics of Impact Injury. In 2004, he was awarded the 2003 Warren Medal by the Institution of Engineers Australia as co-author of the papers "Crashworthiness Systems - A Paradigm Shift in Road Safety Design", Parts I and II.

In 2012, Dr Rechnitzer had a fractional appointment as Associate Professor, Course Co-Ordinator – Road Accident Investigation Courses, School of Health & Human Services Faculty of Sciences, Engineering & Health, CQUniversity, Rockhampton, Queensland. He completed lecturing activities for this course in April 2013. The two new courses started in 2012 at CQU on Accident Forensics (undergraduate degree) and Accident Investigation– (Specialisation) Master's Degree.

From 2002 to April 2011, Dr Rechnitzer was a founding member and Director of Delta-V Experts, a leading forensic and safety engineering consultancy, which received the Society of Automotive Engineers Bronze Award in 2008 for their Rollover Protective Systems for light vehicles. He also provided expert consulting services on vehicle rollover cases to Xprts LLC,

in the USA from 2004 to 2008.

Prior to joining MUARC in 1990, Dr Rechnitzer's experience included more than 20 years as a structural design engineer with major consulting engineering groups, working on large engineering projects involving the investigation, analysis, design and construction of a variety of structures and facilities.

Dr Rechnitzer is a member of the Institution of Engineers Australia, Society of Automotive Engineers, and the Victorian Transport Association's On Road Operators' Group (until 2012).

Dr Rechnitzer has published extensively with more than 100 publications, including contributing chapters in books relating to traffic accidents, accident investigation and reconstruction, and OH&S. He has made presentations at over 70 conferences and seminars, both nationally and internationally.

Detailed Curriculum Vitae of Dr George Rechnitzer

Academic Qualifications

Monash University (Melbourne)

- Bachelor of Engineering, Civil (Hons), 1971.
- Doctor of Philosophy [PhD], Engineering, Heavy vehicle safety; 2003.

University Of Melbourne

- Master of Engineering Science, 1979, by thesis.

Other Training Courses and Seminars

- Value Engineering Technique; Time Management; Supervision; Negotiation; Leadership and Management; Goal Setting; Total Quality Management.
- Technical Accident Reconstruction Course, SAE, (Melbourne, September 1999).
- Biomechanics of Injury and Vehicle Crashworthiness Short Course, Module 1 - Anatomy and Biomechanics (Monash University, February 1998).
- Crash Analysis and Reconstruction (NSW).
- Biomechanics of Impact Injury, Unisearch (University of NSW, 1997).
- Injury Research and Prevention Short Course (Monash University, 1992).

Awards

- Society of Automotive Engineers Bronze Award at the SAE's 2008 National Engineering Excellence Awards, for their Rollover Protective Systems for light vehicles. Received by Delta-V Experts, at the time the author was a founding partner.
- Awarded the 2003 Warren Medal by the Institution of Engineers Australia, as co-author of the papers *Crashworthiness Systems – A Paradigm Shift in Road Safety Design*, Parts 1 and 11.

- Joint winner of Best Paper Prize for the 1989 VICROADS Road Safety Competition *Innovations and Initiatives to Reduce the Road Toll*. This paper was titled *Illusions of Safety* and examined vehicle crash worthiness issues.
- Awarded the BBR Prize for Pre-stressed Concrete Design. (1971, Monash University).
- Australian Institute for Steel Construction Prize for Steel Design. (1971, Monash University).

Professional Affiliations

- Member Institution of Engineers, Australia (CPEng).
- Member Society of Automotive Engineers, Australia.
- Fellow, Safety Institute of Australia.

Professional Activities

- NTSC-ATSB Advanced Road Safety Investigation Training Course, Jakarta, Indonesia 25-29 May 2015. Co-developer and presenter of the training course with Professor Raphael Grzebieta and Dr Andrew McIntosh, through the Transport And Road Safety Research (TARS) Unit at the University of NSW. Organised through the Australian National Transport Safety Bureau (ATSB) in cooperation with and for the National Transportation Safety Committee of the Republic of Indonesia.
- Dr Rechnitzer is Project Manager for the Quad Bike Performance project at TARS, which is a major \$1.3m safety project funded by WorkCover NSW, and led by Professor Grzebieta from TARS. 2012, 2013-2015.
- Associate PhD supervisor for David Hick's PhD *Quad Bike Safety*, University of NSW, TARS, 2014 /2015.
- Member of Australian Standards ME-51 Go Kart Committee from 2012- 2014.
- From 10-18 May 2014, in Sweden, with Professor Grzebieta, presented by invitation to the Swedish Roads and Traffic Administration specialist seminar on the QUAD Bike Project in Australia.
- From 5-6 November 2013, participated in the Road Side Departure and Barrier workshop in Adelaide.
- From 28-30 September 2013, attended and presented at the Road Safety Research, Policing and Education Conference, Brisbane.

- Editorial Board of the Journal of Health & Safety, Research & Practice, Safety Institute of Australia (SIA), from 2010.
(<http://www.sia.org.au/journals/Default.aspx?about=journal-about>)
- Editorial Board of Journal of the Australasian College of Road Safety, Peer Review Papers, from 2005. (<http://acrs.org.au/publications/journals/>)
- Member of the Victorian Transport Associations' On Road Operators' Group till 2012.
- Chair of the National Technical Panel, SIA, from 2009 to 2011.
- Australian Research Council– Pedal and Motor Cycle Helmet Performance Study, 2007-09. Principal Investigator with the research team at UNSW led by A/professor Andrew McIntosh.
- PhD Awarded in 2003: *The Improvement of Heavy Vehicle Design to Reduce Injury Risk in Crashes with Other Road Users*.
- Associate PhD supervisor for David Young's PhD *Vehicle Rollover Safety*, Monash University Department of Civil Engineering, 2006.
- Honorary Associate in the Department of Civil Engineering, Monash University, 2003-2006.
- Provision of expert evidence to the Waterfall Special Commission of Inquiry into the Waterfall train crash, 2003.
- Associate PhD supervisor for Shauna Sherker's PhD *Arm Fractures For Children In Playgrounds*, Monash University Accident Research Centre, 2000-2003.
- Lecture on Preventative Strategies and Countermeasures to Injury: Workplace Injury Prevention. Master Public Health Course - Injury Epidemiology and Prevention; Monash University Accident Research Centre, 10 July 2003, Melbourne.
- Member Organising Committee for the 2002 International Crashworthiness Conference ICRASH2002, Melbourne, February 2002.
- Program Organiser for the SAE (USA) TOPTEC conferences on:
 - Military & Emergency Vehicle Safety, Tempe, Arizona, 11-12 Sept 2001.
 - Military Vehicles Safety, San Francisco, 10-11 June 1999.
- An Invited Keynote speaker at the Injury Prevention 2001 Conference (Fifth National Conference on Injury Prevention and Control & Fourth National Farm Injury Conference), Warrnambool, 25th–28th September 2001.
- Member of the Transport Industry Safety Group. A group concerned with improving heavy vehicle safety in Victoria, includes representatives from the transport industry, transport union, government authorities and Police, 1998 to 2001.

- Member of judging panel for the SAE Young Engineers Conference (Australia) for best research paper award, 1998, 1999, 2000.
- Member of judging panel for the SAE Automotive Engineering Excellence Awards (Australia), 2000, 2003.
- Member of the Organising Committee for the 2000 Safety in Action Conference (Safety Institute of Australia), and Program Organiser for the Transport stream.
- Contributing writer & Vehicle Safety Expert, to *Which Car* motoring magazine, for safety reviews of new vehicles; and member of judging panel for *Which Car's* annual Safety Merit Award (1997-2000).

Professional Experience

1989-2015 and ongoing: Principal Engineer, Director, George Rechnitzer & Associates Pty Ltd; consulting Forensic and Safety Engineering. Investigations and expert reports prepared for hundreds of cases relating to vehicle, workplace and other incidents. This work typically relates to accident reconstruction related, or injury/product related analysis. Expert evidence presented in Courts from Supreme to County Court in Australia.

From April 2012 -2015 on Adjunct Associate Professor in the Transport and Road Safety Research (TARS), Faculty of Science, University of NSW. An Honorary position.

August 2012 to 2015: Project Manager for the Quad Bike Performance project at TARS, which is a major safety project funder by WorkCover NSW, and led by professor Grzebieta from TARS.

2012. Associate Professor, School of Health & Human Services Faculty of Sciences, Engineering & Health, CQUniversity, Rockhampton, Queensland (fractional appointment). Course Co-Ordinator - Road Accident Investigation Master's Degree.

From 2011-August 2012:Principal Consultant, Forensic and Safety Engineering, Delta V Experts. Dr Rechnitzer has no further association with Delta V Experts.

2002-2011: DVExperts International Pty Ltd (DVE), Director, Founding member and Principal Engineer.

Dr Rechnitzer undertook business development and staff mentoring at DVE; and investigations, analysis and report preparation over nearly 10 years on many hundreds of cases (including plaintiff, defence and prosecutions) involving road crashes of all types, workplace serious and fatal injury incidents, safety and failure analysis. Clients include well known law firms through to smaller firms, as well as investigations and safety related work for clients ranging from Australia Post, Visy, BHP, Rio Tinto, Police, VicRoads, RTA, WorkCover and Comcare to name a few. George has provided Expert evidence in various cases in the District Court of NSW, and Melbourne County and Supreme court, amongst others.

2004-2008: Consultant to XprtsLLC, CA, USA

Xprts LLC is firm of expert engineers based in California dealing with automotive crash product liability cases in the USA, particularly vehicle rollover. The author provided expert reports, including depositions, in over 30 serious injury and fatal vehicle cases, in plaintiff actions against various automobile manufacturers.

July 1990 to January 2003: Senior Research Fellow, Monash University Accident Research Centre,

Safety Engineering/ Road Safety	Road Safety/ Collision & Reconstruction	Workplace Safety
2002 Evaluation of Safe Access Platforms for Tractors , part of research team.	1999-2000 Assessment of crash injury risk to vehicle occupants wearing night vision goggles , Department of Defence (with Prof. Tom Triggs).	2000-2001 Forklift Safety Project , Development of 'blue prints' for model facility incorporating logistics and traffic management and development of 'intelligent forklift', Victorian WorkCover authority.
2001-2002 Development of a Safety Rating System for Tractors , part of research team.	1999 The Effect of Vehicle Roadworthiness on Crash Incidence and Severity , Project manager and researcher, for the Victorian Automobile Chamber of Commerce and Industry (VACC).	1998-2001 Reducing Serious Injury Risk in the Construction Industry , 3 year project for VWA looking at safety in the Construction industry.
2000-2001 Safety of Police Vehicles , testing and analysis of vehicle handling and stability characteristics and development of performance criteria, Victoria Police.	1998 A review of Policies and Practices regarding the transport of dangerous goods through tunnels . Project Manger, 4-person team, for the Melbourne City Link Project.	1998 Evaluation of the Tractor Rollover Protective Structure Rebate Scheme , part of two person Research Team, for the Victorian WorkCover Authority.
1999-2000 Investigation of failures and safety assessment of tailgate loaders , Australia Post.	1998 Testing of Telstra VT Commodore for rear impact , Project manager and researcher; Project involved static and crash testing evaluation of Telstra service	1994-1997 Occupational Injury Prevention Program - Victorian WorkCover Authority . Identification of potential priority areas for the initiation of systematic activities by the

	vehicle for rear impact.	Authority to reduce occupational trauma in Victoria; and the Ballarat regional pilot project for applied injury prevention activities.
1999-2000 Field trial evaluation of energy-absorbing rear underrun barriers. Federal Office of Road Safety.	1996-1997 Petrol Road Tanker Safety Project. Joint project with Dept. of Civil Engineering for the Australian Institute of Petroleum, examining changes to the design of petrol tankers to reduce the risk of petrol leakage and hence fires in the event of a rollover crash.	1997-1998 Improvements to the Victorian WorkCover Authorities Claims Information System. Aim is to enhance the VWA claims information system to enable its effective and efficient use in the VWA's injury prevention program.
1997-1998 Safe carriage of Personnel in General Services Vehicles. Project Manager and researcher. A comprehensive multi-disciplinary study: "...to identify and examine relevant issues and to make recommendations on future measures for the safe carriage of personnel in Australian Defence Force field vehicles", for the Australian Defence Force.	1994-1997 Truck Safety Design. Project Manager. A project aimed at further developing improved design of the front and sides of heavy vehicles to reduce their harm potential in crashes with other road users.	1991-1992 Forklift trucks and Severe Injuries: Priorities for Prevention. Project manager. This research project examined the design and use of forklift trucks in industry, with the aim of identifying ways to reduce the incidence and severity of injuries associated with this type of equipment. Funded by the Occupational Health and Safety Commission of Victoria.
1997 Examination, Testing and Analysis of Fall Arrest Device, follows failure of the inertia reel fall protection device and consequent fatality; for the Victorian WorkCover Authority.	1992-1994 Investigation of Passenger Vehicle Rollover Crashes. Project manager and principal researcher. Sponsored by VicRoads. Investigating correlation between vehicle design factors and the nature and severity of occupant injuries.	
1994-1997 Development and Testing of Energy Absorbing	1990-1993 Truck Involved Crash Study. Project manager	

<p>Rear Underrun Barriers. Project Manager; sponsored by the Federal Office of Road Safety, and in co-operation with VicRoads and the Civil Engineering Department at Monash University.</p>	<p>and principal researcher. Sponsored by VicRoads. Involved in-depth investigation of crashes between trucks and cars, pedestrians, cyclists and motorbikes; looking at changes to truck design to reduce their harm potential in crashes; included the development and static and dynamic crash testing of effective under run barriers on trucks</p>	
	<p>1991-1992 Analysis of the 1988 Fatal File-Description of Fatal Crashes involving various Causal Variables. Project Manager. This project is for the Federal Office of Road Safety, and includes the detailed analysis of the 1988 database of Australia wide road fatalities, and the review of some 200 case studies to develop typical crash type scenarios.</p>	

1979–1989: Senior Design Engineer, Power Department, with the State Electricity Commission of Victoria, Involved in a diverse range of engineering activities related to the planning, design, construction and quality assurance on major structures and civil works for the Loy Yang Power Station project.

1971-1979 Design Engineer with the John Connell Group of Consulting Engineers. Responsibilities included analysis, design and documentation of a large variety of structures, including steel, timber and concrete. Structures varied from steel-framed factories, to multi story buildings, bridges, and tunnels and stations for the Melbourne Underground rail loop project. Extensive involvement in the computer modelling and analysis of structures.

PRESENTATIONS & SEMINARS BY DR GEORGE RECHNITZER

1. ***Interface Analysis and Design: Improving Heavy Vehicle Road Safety Barrier Design***; presented by Rechnitzer G and Grzebieta R; at the Road Safety Research, Policing and Education Conference 2013, 28-30 August 2013, Brisbane Convention Centre, QLD, Australia.
2. From ***'Billy Cart' Crashes to Truck Crashes***, presented at the Victorian Waste Management Association, Breakfast Seminar at The RACV Club, Melbourne, 8th August 2012.
3. ***Engineering Safer Road Systems***, presented at Road Safety 2011, 8-9 March 2011, Park Royal Darling Harbour, Sydney, Lloyd's List DCN Events.
4. ***Benefits and Cost of Incident and Accident Investigations***, presented at Incident & Accident Investigation seminar, Hilton on the Park, Wellington Parade, Melbourne, February 14 & 15 2011 MarcusEvans conferences.
5. ***Incidence Response and Future Directions in Heavy Vehicle Safety***, presented at the TruckSafe Members' Forum held at 2010 ATA/ARTSA Technical & Maintenance Conference, Monday 15 November 2010, Silver Water Resort, San Remo, Phillip Island.
6. ***VicRoads & Innovation: The Path To The Future Of Road Safety***, on panel at Breakfast Forum, Australian Engineering Week, Monday 2 August 2010, Zinc Federation Square, Melbourne. Engineers Australia.
7. ***Role of in-depth Investigations and Research in developing safer systems***, presented for the Course 'MPH2076 - Safety Management Systems', Monash University Department of Epidemiology and Preventative Medicine, Alfred Hospital. May 2010.
8. Rechnitzer G, Richardson S & Sander R., ***Incident Response and in-depth scientific and reliable incident investigations***, presented at the Zero Harm Target Conference, Rendezvous Hotel, Melbourne, November 16-17 2009, Marcus Evans Conferences.
9. ***Forensic Accident Investigations –Lessons for Drivers***, presented at the Australian Driver Trainers Association Annual Conference, October 18, 2009, Melbourne.
10. ***Challenges and future directions in heavy vehicle driver safety***; Presented at: Workshop: Heavy Vehicle Driver Safety in Victoria, Victorian Institute of Forensic Medicine, Melbourne, 20 May 2009.
11. Rechnitzer G. ***"Role of Engineering Design, Research, and In-depth Investigations in Safety Management Systems"***, presented for the Course 'MPH2076 - Safety Management Systems', Monash University Department of Epidemiology and Preventative Medicine, Alfred Hospital. April 20th 2009.

12. Rechnitzer, G. ***“In-Depth Investigations of Major Incidents- Learning to Prevent Future Tragedies”***, Safety In Action Conference 2009, Melbourne Convention Centre, Safety Institute of Australia. March 30-April 2, 2009.
13. Rechnitzer G, Orton T, Shifman M & Richardson S, ***Pedestrian Safety – A Challenging Task***, 2nd Local Road Safety & Traffic Engineering Conference 2008; Gold Coast International Hotel, Gold Coast, Queensland. 26-27 August 2008.
14. Rechnitzer G, Shifman M & Richardson S, ***Litigation and Investigation Issues, a Forensic Engineering Viewpoint***, 2nd Local Road Safety & Traffic Engineering Conference 2008, Gold Coast International Hotel, Gold Coast, Queensland. 26-27 August 2008.
15. Richardson S, Rechnitzer G, Orton T, Shifman M, Zou R & Crocker S; ***Design and testing of effective Rollover Protective Structures for Light Vehicles***, ICRASH2008. International Crashworthiness Conference, Kyoto Japan, July 22-25, 2008.
16. Rechnitzer G, ***Engineering Design- The Core Element of System Safety***; Queensland Safety Conference 2007, Brisbane Convention And Exhibition Centre, Safety Institute of Australia. Tuesday 19 – Thurs 21 June 2007.
17. Rechnitzer G, Richardson S, Orton T, Shifman M, Short A & Smith R; ***Systematic Causes Of Transport And Impact Trauma And Countermeasures***; Safety In Action Conference 2007, Melbourne Convention Centre, Safety Institute of Australia. 20-22 March 2007.
18. Rechnitzer G & Wigglesworth E; ***Innovations In Rail Injury Prevention At Railroad Level Crossings***; Presented at Safety In Action 2004, Melbourne Exhibition Centre, 30th March 2004- 1 April 2004. Safety Institute of Australia.
19. Rechnitzer G, Richardson S, ***Preventative Strategies and Countermeasures to Injury: Workplace Injury Prevention***. Presented at the Master Public Health Course 2056: Injury Epidemiology and Prevention Course 2003, Monash University Accident Research Centre, Melbourne, Australia. 10 July 2003.
20. Rechnitzer G, ***Specifying Safety Performance Systems In Vehicle Procurement***, Proceedings ICrash2002 International Crashworthiness Conference, 25-27 February 2002, Melbourne, Australia.
21. Rechnitzer G, ***Innovative Measures to Reduce Crash Occurrence and Severe Injury Risk at Passive Railroad Crossings***, presented at the Seventh International Symposium On Railroad-Highway Grade Crossing Research And Safety - Getting Active At Passive Crossings, 20-21 February 2002, Monash University (Clayton), Melbourne, Australia.
22. Rechnitzer G, ***Injury Research – A Meeting of Disciplines***. A Keynote presentation at the Injury Prevention 2001 Conference (incorporating Fifth National Conference on

- Injury Prevention and the Fourth National Farm Injury Conference); Deakin University Warrnambool, Victoria, 25-28 September 2001.
23. Rechnitzer G, Triggs T, Fox B, Lau T, ***Testing For Impact Injury Risk To Drivers Wearing Night Vision Goggles***, presented at the Military and Emergency Vehicle Safety TOPTec, Tempe, Arizona 11-12 September 2001, SAE (USA).
 24. Rechnitzer G, Seyer K & Powell G, ***Performance Criteria, Design And Crash Testing Of Effective Rear Underride Guards***, presented at the 17th International Technical Conference On The Enhanced Safety Of Vehicles, Amsterdam 2001, 4-7 June 2001.
 25. Rechnitzer G, ***What OH&S Can Learn From Road Safety Programs***, presented at the Safety in Action Conference, 1-3 May 2001, Melbourne, Safety Institute Of Australia.
 26. Rechnitzer G, ***Applying First Principles For The Design Of Crashworthy Systems For Road Safety***, presented at the Road Safety Research, Policing and Education 2000 Conference, Sheraton Brisbane, QLD, 26-28 November 2000.
 27. Rechnitzer G & Grzebieta, Brown G & Shuster R, ***Effectiveness of Cargo Barriers to Protect Front Seat Occupants in Rear Impacts - Crashtest Evaluation***, presented at ICrash 2000 International Crashworthiness Conference, 6-8 September 2000, London.
 28. Grzebieta R & Rechnitzer G, ***Crashworthiness of Barriers: An Informed Structural Engineer's Perspective***. Presentation for the Institution of Engineers, Melbourne, 10 October 2000.
 29. Rechnitzer G, ***Heavy Vehicle Design and Safety***, presented at Safety In Action 2000 Conference, Melbourne Convention Centre 4-6 April 2000; Safety Institute of Australia.
 30. ***Effectiveness of Load Restraint System and Load Subjected to Rear Impacts – crash testing of Telstra VT Commodore Service Vehicle***, presented at the 1999 Road Safety Research, Policing and Education Conference, Canberra, ACT, 28-30 November 1999.
 31. ***The New Australian/NZ Standard 3845:1999 Road Safety Barrier Systems – Performance Evaluations***, presented at the 6th ITE International Conference Road Safety Enforcement Beyond 2000, Workshop on Roadside Infrastructure Crashworthiness, 6-7 September 1999, Melbourne.
 32. ***Crashworthy Systems – A Paradigm Shift in Safety Design***, presented with Dr Raphael Grzebieta, at the “AusTopTec” Topical Technical Symposium, Melbourne, 1 September 1999, SAE Australia.
 33. ***Road Tunnels as Confined Spaces***, presented at Risk 99 Back to the Future, Risk Engineering Society Conference, 30-31 August 1999, Melbourne.

34. **Multidisciplinary Study of Military Vehicles Safety in Australia**, paper presented at SAE Military Vehicle Safety TOPTEC; 10-11 June 1999, San Francisco, USA.
35. **The Role of In-Depth Investigations in Injury Research and Prevention**, presented at the Third National Conference on Injury Prevention and Control, 9-12 May 1999, Brisbane, Queensland.
36. **Heavy Vehicle Crash Involvement**, presented at the Safety in Action Conference, Melbourne, 25-28 February 1998.
37. **Madymo Modelling of a Car Impacting an Energy Absorbing Rear Truck Underrun Barrier**, presented (with Dr R. Zou) at The Second International Conference On Accident Investigation, Reconstruction, Interpretation and The Law (AIRIL 97), 20-23 October 1997, Brisbane, Queensland University of Technology.
38. **Designing in Safety: Workplace Injury Prevention**, lecture to Monash University Master of Public Health (MPH) students, 13 October 1997. Department of Epidemiology and Preventative Medicine, Monash University.
39. **Crash Investigations**, presented at SAE (Australasia) Seminar on Vehicle Crash Analysis - Introduction to Collision Reconstruction, 4 September 1997, Melbourne.
40. **Design Principles for Underride Guards and Crash Test Results**, presented at SAE Heavy Vehicle Underride Protection TOPTEC, 15-16 April 1997 Palm Springs, USA.
41. **Engineering Safer Transport & Logistics Systems In Manufacturing, Processing and Other Industrial Sites**. Presentation for the Institution of Engineers, Australia, 14 November 1996, Melbourne (joint presentation with Mr Bruce Corben & Dr TJ Larsson).
42. **Preventative Techniques in Manual Handling**, presented at the Occupational Health and Safety in the Public Sector Conference, 17-18 July 1996, Rydges Canberra, IIR Conferences.
43. **Use of Glass Fibre Reinforced Composite Tubes for Energy Absorption in Vehicle Crashes**, presented at the 29th ISATA Conference; 3-6 June 1996, Florence, Italy.
44. **How Does Our Environment Cause Injury and What Can Be Done?** Joint presentation with Dr Joan Ozanne-Smith to Master of Public Health (MPH) students; 30 May 1996, at Deakin University. Monash University, Melbourne.
45. **The Role of Energy Absorption Systems in Injury Prevention**, presented at the Monash University Accident Research Centre Seminar Series, 24 May 1996, at Monash University Melbourne.
46. **Development and Testing of Energy Absorbing Rear Underrun Barriers for Heavy Vehicles**, presented at the 15th International Technical Conference on the Enhanced Safety of Vehicles Conference, 13-16 May; World Congress Centre. Melbourne.

47. ***Rollover Crash Study - Vehicle Design and Occupant Injuries***, presented at the 15th International Technical Conference on the Enhanced Safety of Vehicles Conference, 13-16 May 1996; World Congress Centre. Melbourne.
48. ***The role of design in Occupational Health and Safety***, presented at FutureSafe 96, 12-17 May 1996; World Congress Centre. Melbourne.
49. ***Vehicle Accident Investigation and Reconstruction***, lecture to students for their Graduate Diploma in Forensic Science course, 23 April 1996, Latrobe University. Melbourne.
50. ***The Ballarat Region Occupational Injury Prevention Program***, presented at the 1996 Occupational Injury Symposium 24-27 February 1996, Sydney Hilton (jointly with Professor TL Larsson) Sydney.
51. ***Reducing Manual Handling Injuries - a Critical Review of Risk Assessment Tools and Practice***, presented at the 1996 Occupational Injury Symposium 24-27 February 1996, Sydney Hilton. Sydney.
52. ***Design Changes to Heavy Vehicles to Reduce Injury Risk to Other Road Users***, presented at the Third International Conference on Injury Prevention and Control, 19-22 February 1996, World Congress Centre, Melbourne.
53. ***Using injury severity and harm measures to prioritise injury prevention programs in the workplace***, presented at the 3rd International Injury Conference, 19-22 February 1996; World Congress Centre, Melbourne.
54. ***Countermeasures and Implementation strategies for injury prevention - heavy vehicle design***, presented at the Short Course in Injury Research and Prevention (MUARC); 12-16 February 1996, Melbourne Univ.
55. ***Assessing Vehicle Crashworthiness from Crash Investigations***, presented at the Inaugural International Conference on Accident Investigation and The Law, 16-19 October 1995, Gold Coast, Queensland University Of Technology.
56. ***Measuring And Assessing Vehicle Crashworthiness***. Presentation at The Conference "Vehicle Accidents, Their Cause-Reconstruction And Law", 28-29 July 1995, Old Melbourne Hotel, Melbourne; Monash University.
57. ***Risk Management Plans For Women: Reducing Workplace Manual Handling Injuries***, presented at The OHS In Manufacturing Conference, 26-27 June 1995, Sebel Town House, Sydney.
58. ***Road Accidents and The Vehicle***, presented at the VicRoads Accident Investigation and Prevention Workshop, 14-17 May 1995. Geelong.
59. ***Rollover Crash Study - Vehicle design and occupant injuries***, presented at the Road Safety Research and Enforcement Conference, Melbourne, 29-30 November 1994.

60. ***Forklift trucks and severe injuries: priorities for prevention***, presentation at the “Making OHS Matter Conference”, OH&S Authority, 11 October 1994. Melbourne.
61. ***Heavy Vehicle Safety: The development of effective rear underrun barriers***, paper presented at Short Course on Injury Research and Prevention, 4-8 July 1994, Melbourne. Monash University.
62. ***The Reduction of Injuries to Car Occupants in Rear End Impacts with Heavy Vehicles***, 37th STAPP Car Crash Conference, 8-10 November 1993, San Antonio, Texas.
63. ***Improving the Safety of Heavy Vehicles***, presented at the seminar sponsored by RACV and Institute of Engineers Road Safety Sub Committee and The Transport Branch, Melbourne, 20 October 1993.
64. ***Improving the Design of Heavy Vehicles To Reduce the Injury Risk to Other Road Users in Crashes***, 18th Australasian Transport Research Forum, Gold Coast Queensland; September 1993.
65. ***Injury is no Accident***, presentation to Victoria Police State Forensic Science Laboratory seminar, Melbourne, 4 June 1992.
66. ***Motor Vehicle Occupant protection Investigations***, presented at Weekend Seminar “Accident Prone - Product and Occupational Safety Investigations: New Frontiers of Forensic Science”, Australian & New Zealand Forensic Science Society. Ballarat, 7-8 September 1991.
67. ***Private Accident Investigations***, presented at Accident Investigation and Prevention Course, VICROADS Road Safety Division. Melbourne, 2-5 September 1991.
68. ***Truck Involved Crash Study***, presented at VICROADS Seminar. Melbourne, 13 August 1991.
69. ***Occupant Crash Protection***, presented at VICROADS Seminar “Advances in Vehicle Safety”, Melbourne, 20 June 1991.
70. ***Illusions of Safety***, paper presented as major prize winner in the “1989 Safety Prize” competition, at VICROADS Seminar. Melbourne, 27 October 1989.

PUBLICATIONS

PHD Thesis

Rechnitzer G. *The Improvement Of Heavy Vehicle Design To Reduce Injury Risk In Crashes With Other Road Users*, PhD Thesis, Monash University, June 2003.

Book Chapters/Booklets

1. Grzebieta R, **RechnitzerG**, McIntosh AS, *Traffic Accidents Investigation Analysis and Reconstruction*. Chapter 140 for 'Expert Evidence'; Ed. Freckelton I. and Selby H., Thomson Reuters, NSW, Australia, Update 70, August 2013. Page numbers: 140-51 to 140-13068. <http://www.thomsonreuters.com.au/transport-accident-investigation-expert-evidence/productdetail/91175>
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