

## Christina M. Rudin-Brown, Ph.D., CCPE

Over 25 years' experience in human factors research, investigation, and policy analysis, including: human-machine interface (HMI) design and evaluation; driver / operator behaviour, distraction and impairment; operator trust in and use of automation; occupant protection; product warnings and messaging; automated vehicles and advanced driver assistance systems (ADAS); driver and motorcycle rider licensing schemes; heavy vehicle driver fatigue and speeding; alcohol and drug testing; accident analysis; and road-rail level crossing safety.



### EXPERIENCE:

2012-present **Human Factors Specialist**, Human Factors North, Inc., Ottawa, Canada

Applies human factors research methods on behalf of many varied industry and legal clients, including:

- **MDA Space** (2021 – present) – user-centred human-machine interface (HMI) design and evaluation.
- **Ryan & Lynch Law** (2022) – expert opinion on motor vehicle accident involving nighttime lead vehicle visibility and conspicuity, and driver behaviour.
- **Burn Tucker Lachaine LLP** (2020) – expert opinion on motor vehicle accident involving driver aggression (“road rage”) and response to stress.
- **Lerners LLP** (2019) – expert opinion on the conspicuity and effectiveness of the waiver process in place at the time of a trampoline accident.
- **Transport Canada** (2017) – assessment of automated vehicle driver interface design and development of a human factors test method.
- **Transport Canada** (2015) – user-centred design and evaluation of child restraint system (CRS) instructional labels.
- **Intact Insurance** (2014) – expert opinion on motor vehicle accident involving vehicle path intrusion, sightline limitations, and poor intersection design.
- **NZ Transport Agency** (2013-2014) – evaluation and comparison of driver attitudes towards speeding, and the effects on time and fuel consumption.
- **Canadian Nuclear Safety Commission (CNSC)** (2012-2013) – review of criteria for assessing shift schedules in the nuclear industry.

2012-2023 **Manager and Senior Human Factors Investigator**, Transportation Safety Board, Gatineau, Canada.

Investigated the human factors aspects of air, marine, rail and pipeline transportation occurrences to identify safety deficiencies, develop options, prepare reports, studies and safety communications for investigators and clients.

2009-2012 **Senior Research Fellow**, Human Factors Team, Monash University Accident Research Centre (MUARC), Melbourne, Australia.

Conducted and led high quality research in human factors in transportation, most frequently in road, rail and aviation modes. Established and maintained a strong program of scientific research.

1999-2009 **Human Factors Specialist**, Road Safety and Motor Vehicle Regulation Directorate, Transport Canada, Ottawa, Canada.

Planned, managed, coordinated, and conducted multi-disciplinary research studies on the human factors and ergonomics of road and vehicle safety to support the development of national regulations, standards, collision countermeasures, and policy.

1992-1998 **Researcher**, Department of Psychology, University of Toronto; and Section of Biopsychology, Clarke Institute of Psychiatry, Toronto

1989-1991 **Research Assistant**, University of Ottawa (part-time)

### **EDUCATION:**

1993-1998 **Doctor of Philosophy, Experimental Psychology**; University of Toronto.

1992-1993 **Master of Arts, Experimental Psychology**, University of Toronto.

1988-1992 **Bachelor of Arts (Honours), Psychology**, University of Ottawa.

1985-1987 **Diploma in Legal Assistant Program**, Algonquin College, Ottawa.

**LANGUAGES:** Bilingual (French/English). Also some Spanish.

### **SCHOLARSHIPS and AWARDS:**

2019 **Distinguished Team Award**, Transportation Safety Board (TSB)

2016 **Excellence in Investigations Award**, TSB.

2015 **Excellence in Investigations Award**, TSB.

2012 **Canadian Certified Professional in Ergonomics (CCPE)** designation. Conferred by the Canadian College of Certified Professionals in Ergonomics.

2011 **Institute for Engineering Technology (IET) Premium Award for Intelligent Transport Systems (ITS)**, for the best paper published in 2009-2010 “Intelligent” in-vehicle ITS: Limiting behavioural adaptation through adaptive design. IET Intelligent Transport Systems, 4(4), 252-261 (2010).

2000, 2005 **Director General’s Service Award**, Transport Canada

1999 **Doctoral Thesis Award**, Ontario Psychological Association.

1996, 1997 **Ontario Graduate Scholarship**, Government of Ontario

1994, 1995 **Pre-Doctoral Scholarship (PSB-2)**, Natural Sciences and Engineering Research Council (NSERC)

1993 **Life Sciences Committee summer stipend**, University of Toronto

1992, 1993 **Open Fellowship**, University of Toronto

1990 **Summer Scholarship**, NSERC

### **SUPERVISION:**

- ◆ **Linda Pipkorn (Chalmers University) External reviewer** – PhD: ‘The driver response process in assisted and automated driving’ (2022);
- ◆ **Eryn Grant (University of the Sunshine Coast, Centre for Human Factors and Sociotechnical Systems) External reviewer** – PhD: ‘Toward a unified set of accident causation tenets: Identification, application and implications’ (2019);

- ◆ **Jonny Kuo (Monash University)** - PhD in Injury Research: ‘Effects of Child Occupant Behaviour on Driver Distraction and Performance’ (2013 – 2017);
- ◆ **Genevieve Hughes (Monash University)** – B.A.(Hons) Psychology: ‘A simulator study of the effects of singing on driving performance’ (2011);
- ◆ **Maria McGrath (Monash University)** - M.A. Organizational Psychology: ‘Attitudes, knowledge and perceptions towards drug and alcohol management programs and random testing within the Australian civil aviation community’ (2010);
- ◆ **Amy Allen (Monash University)** – B.A. (Hons) Psychology: ‘Investigation of zero BAC for motorcycle riders in Queensland’ (2010);
- ◆ **Tara McCurdie (University of Guelph)** – B.Sc. Engineering (co-op placement, Transport Canada): ‘Don’t drive high! The effect of seated driver eye height on speed perception’ (2004);
- ◆ **Alice Malisia (University of Guelph)** – B.Sc. Systems Engineering (co-op placement, Transport Canada): ‘Behavioural adaptation to adaptive cruise control (ACC)’ (2002).

### **PROFESSIONAL and ACADEMIC AFFILIATIONS:**

- ◆ Board member 2014 to 2018 – Canadian College for the Certification of Professional Ergonomists (CCCPE)
- ◆ Child Safety in Cars: An International Collaboration – Australian Research Council (ARC) 2012 to 2017
- ◆ Transportation Research Board (TRB) committee member (AND10 – Vehicle User Characteristics; AHB60 – Highway/Rail Grade Crossings)
- ◆ International Organisation for Standardisation (ISO) (pre-2009): Expert Member of ISO TC204 WG14 (Intelligent Transportation Systems)
- ◆ Association of Canadian Ergonomists (ACE)
- ◆ International Ergonomics Association (IEA)
- ◆ Human Factors and Ergonomics Society (HFES)
- ◆ Canadian Association of Road Safety Professionals (CARSP)
- ◆ Society of Automotive Engineers (SAE): Child restraint systems (CRS) committee (pre-2009)
- ◆ Eastern Ontario Traffic Investigators’ Society
- ◆ Manuscript reviewer for many international peer-reviewed publications

## **PEER-REVIEWED PUBLICATIONS:**

1. Rudin-Brown, C.M., Filtness, A.J., Gauthier, M., Kirkley, C., Luisi, D., Jaber, M., Price, J., & Thiffault, P. (2023). Waking up to the challenge of fatigue management in transportation. Proceedings of the Human Factors and Ergonomics Society Annual Meeting, *67*(1), 1029-1030.
2. **Rudin-Brown, C.M.** & Filtness, A.J. (2023). The Handbook of Fatigue Management in Transportation: Waking Up to the Challenge. Taylor & Francis (CRC Press): Boca Raton, FL.
  - a. **Rudin-Brown, C.M.** & Filtness, A.J. (2023). Introduction, pp.1–8.
  - b. **Rudin-Brown, C.M.**, Dubé, G., Gauthier, M.S., Mohan, D., & Rosberg, A. (2023). Ch.2.5: Telling the story: How and why investigating for fatigue can improve safety in transportation operations, pp. 139-151.
3. Cross, S., Koppel, S., Arbogast, K.B., **Rudin-Brown, C.M.**, Newstead, S.V., & Charlton, J.L. (2023). Key factors associated with child occupants' suboptimal head positions in child restraint systems: Results from a naturalistic driving study. Journal of Transport and Health, *30*, 101590.
4. Smiley, A., & **Rudin-Brown, C.M.** (2021). Human factors in transportation. In: R. Vickerman (Ed.) Encyclopedia of Transportation, 331-345.
5. Henderson, S., Millen, A., & **Rudin-Brown, C.M.** (2021) Seasonal variation in North American level crossing crash rates is due to weather, not day length, Traffic Injury Prevention, *22*(6), 467-472.
6. **Rudin-Brown, C.M.**, & Rosberg, A. (2021) Applying principles of fatigue science to accident investigation: Transportation Safety Board of Canada (TSB) fatigue investigation methodology, Chronobiology International, *38*(2), 296-300.
7. Smiley, A., & **Rudin-Brown, C.M.** (2020). Drivers adapt – Be prepared for it! Accident Analysis and Prevention, *135*, 105370.
8. Henderson, S., Millen, A., & **Rudin-Brown, C.M.** (2020). Weather (not light levels) is responsible for seasonal variation in level crossing accidents. Proceedings of the 99<sup>th</sup> Annual Meeting of the Transportation Research Board. Paper No. 20-04880, Washington, DC: January 12-16.
9. Cross, S., Koppel, S., Arbogast, K.B., Bohman, K., **Rudin-Brown, C.M.**, & Charlton, J. (2019). The common characteristics and behaviors of child occupants in motor vehicle travel. Traffic Injury Prevention, *20*, 713-719.
10. **Rudin-Brown, C.M.**, Harris, S., & Rosberg, A. (2018). How shift scheduling practices contribute to fatigue amongst freight rail operating employees: Findings from Canadian accident investigations. Accident Analysis and Prevention, *126*, 64-69.
11. Kramer, C., Kelsey, S., **Rudin-Brown, C.**, Langerak, R., Scipione, A., Jaz, A., & Burns, P. (2017). User-centered label design guidelines for Child Restraint Systems. Proceedings of the 2017 International Annual Meeting of the Human Factors and Ergonomics Society. Austin, Texas; October 9 to 13.
12. Cross, S., Charlton, J., Koppel, S., **Rudin-Brown, C.**, Arbogast, K., Loeb, H., & Bohman, K. (2017). Using naturalistic driving study data to understand child vehicle occupant behaviour when travelling in child restraint systems. Proceedings of the 2017 Australasian Road Safety Conference. Perth, WA; October 3-5.

13. **Rudin-Brown, C.M.**, Kramer, C., Langerak, R., Scipione, A. & Kelsey, S. (2017). Standardized error severity score (ESS) ratings to quantify risk associated with child restraint system (CRS) and booster seat misuse. Traffic Injury Prevention, *18*(8), 870-876.
14. **Rudin-Brown, C.M.**, Roosenboom, D., & Finch-Field, C. (2017). Railway human factors and operational issues: What can we learn from locomotive voice and video recorders? Transportation Research Record, *2608*, 1-9.
15. **Rudin-Brown, C.M.**, Roosenboom, D., & Finch-Field, C. (2017). What can we learn about railway human factors and operational issues using locomotive voice and video recorders (LVVR)? Proceedings of the 96<sup>th</sup> Annual Meeting of the Transportation Research Board. Paper No. 17-01333, Washington, DC: January 9-13.
16. Kuo, J., Charlton, J.L., Koppel, S., **Rudin-Brown, C.M.**, & Cross, S. (2016). Modelling driving performance using in-vehicle speech data from a naturalistic driving study. Human Factors, *58*(6), 833-845.
17. **Rudin-Brown, C.M.**, & Conners, G. (2016). Babes in arms: The safety of infants and small children on commercial aircraft. Proceedings of the 95<sup>th</sup> Annual Meeting of the Transportation Research Board. Paper no. 16-2523. Washington, DC: January 10-14.
18. **Rudin-Brown, C.M.**, & Smiley, A. (2015). Motor Vehicle Accidents – The Human Factors Analysis. In: The Oatley McLeish Guide to Motor Vehicle Litigation 2015.
19. Kuo, J., Koppel, S., Charlton, J.L., & **Rudin-Brown, C.M.** (2015). Evaluation of a video-based measure of driver heart rate. Journal of Safety Research, *54*, 55-59.
20. **Rudin-Brown, C.M.**, French-St.George, M., & Stuart, J.J. (2015). Human factors issues of accidents at passively controlled level crossings. Transportation Research Record, *2458*, 96-103.
21. **Rudin-Brown, C.M.**, Stuart, J.J., Mustard, D., French-St.George, M., & Johnston, R. (2014). Extending the approach zone at passive level crossings: Improving train detection and driver decision-making. Proceedings of the 2014 Global Level Crossing Symposium, 4-8 August, Urbana, IL. Paper no. GLXS2014-1043.
22. Kuo, J., Koppel, S., Charlton, J.L., & **Rudin-Brown, C.M.** (2014). Computer vision and driver distraction: Developing a behaviour-flagging protocol for naturalistic driving data. Accident Analysis and Prevention, *72*, 177–183.
23. Young, K.L., **Rudin-Brown, C.M.**, Patten, C., Ceci, R., & Lenné, M.G. (2014). Effects of phone type on driving and eye glance behaviour while text messaging. Safety Science, *68*, 47-54.
24. Filtness, A.J., Mitsopoulos-Rubens, E., & **Rudin-Brown, C.M.** (2014). Police officer in-vehicle discomfort: Appointments carriage method and vehicle seat features, Applied Ergonomics, *45*, 1247-1256.
25. McLeod, D., Rowland, T., **Rudin-Brown, C.M.**, Smahel, T., & Rose, A. (2014). New Zealand drivers' perceptions of the costs and benefits of speeding: Comparison to Canadian data. Proceedings of the 24th Canadian Multidisciplinary Road Safety Conference, Vancouver, BC: June 1-4.
26. **Rudin-Brown, C.M.**, French-St.George, M., & Stuart, J.J. (2014). Human factors issues of accidents at passively controlled level crossings. Proceedings of the 93<sup>rd</sup> Annual Meeting of the Transportation Research Board. Washington, DC: January 12-16.

27. Young, K.L., & **Rudin-Brown, C.M.** (2014). Designing Automotive Technology for Cross-Cultural Acceptance. In: M. Regan, T. Horberry, & A. Stevens (Eds.) Driver Acceptance of New Technology: Theory, Measurement and Optimisation. Farnham: Ashgate Publishing, 317-331.
28. **Rudin-Brown, C.M.**, Edquist, J., & Lenné, M.G. (2014). Effect of driving experience and sensation-seeking on drivers' adaptation to road environment complexity. Safety Science, *62*, 121-129.
29. Charlton, J.L., Koppel, S., Cross, S., Kuo, J., **Rudin-Brown, C.**, Arbogast, K., Loeb, H., Eby, D., Bohman, K., Svensson, M., & Jakobsson, L. (2013). Naturalistic observation of children in cars: An international partnership. Proceedings of the 11<sup>th</sup> annual Protection of Children in Cars Conference, Munich: December 5-6.
30. Stephan, K., Lenné, M., Newstead, S., Edquist, J., & **Rudin-Brown, C.** (2013). Using driving simulation to understand behavioural mechanisms underpinning real-world crash risk. Proceedings of the 2013 Road Safety and Simulation International Conference (RSS2013), Rome, Italy: October 22-25.
31. Young, K.L., **Rudin-Brown, C.M.**, Patten, C., Ceci, R., & Lenné, M.G. (2013). Does phone interface type influence the distracting effects of text messaging in tunnels? Proceedings of the 3rd International Conference of Driver Distraction and Inattention, Gothenburg, Sweden: September 4-6.
32. **Rudin-Brown, C.M.**, & Jamson, S.L. (2013). Behavioural Adaptation and Road Safety: Theory, Evidence and Action. Taylor & Francis (CRC Press): Boca Raton, FL. 445 pp.
  - a. **Rudin-Brown, C.M.**, & Jamson, S.L. (2013). Ch.1: Introduction, 3-21.
  - b. **Rudin-Brown, C.M.**, Jonah, B., & Boase, P. (2013). Ch.10: Behavioural adaptation to road safety policy, 177-204.
  - c. **Rudin-Brown, C.M.**, & Fletcher, P.J. (2013). Ch. 14: Is there a biological basis to behavioural adaptation? 265-287.
  - d. Jamson, S.L., & **Rudin-Brown, C.M.** (2013). Ch.23: Conclusions and future directions, 429-431.
33. Koppel, S., Charlton, J., **Rudin-Brown, C.M.** (2013). The impact of new legislation on child restraint system (CRS) misuse and inappropriate use in Australia, Traffic Injury Prevention, *14*, 387-396.
34. **Rudin-Brown, C.M.**, Young, K.L., & Lenné (2013). Melbourne drivers' use of mobile phones: Could there be unintended consequences of partial bans? In M. Regan & T. Victor (Eds) Driver Distraction and Inattention: Advances in Research and Countermeasures, Volume 1". Ashgate: Surrey, UK, pp.313-326.
35. **Rudin-Brown, C. M.**, Young, K. L., Patten, C., Lenné, M. G. and Ceci, R. (2013). Driver distraction in an unusual environment: Effects of text-messaging in tunnels. Accident Analysis and Prevention, *50*, 122-129.
36. Filtness, A.J., **Rudin-Brown, C.M.**, Mulvihill, C.M., & Lenné, M.G. (2013). Impairment of simulated motorcycle riding under low dose alcohol. Accident Analysis and Prevention, *50*, 608-615.

37. Hughes, G., **Rudin-Brown, C.M.**, & Young, K.L. (2013). A simulator study of the effects of singing while driving. Accident Analysis and Prevention, 50, 787-792.
38. **Rudin-Brown, C.M.**, Filtness, A.J., Allen, A., & Mulvihill, C. (2013). Performance of a cognitive, but not visual, secondary task interacts with alcohol-induced balance impairment in novice and experienced motorcycle riders. Accident Analysis and Prevention, 50, 895-904.
39. Keall, M.D., Clark, B., and **Rudin-Brown, C.M.** (2013). A preliminary estimation of motorcyclist fatal injury risk by BAC level relative to car/van drivers. Traffic Injury Prevention, 14(1), 7-12.
40. Koppel, S., Charlton, J.L., & **Rudin-Brown, C.M.** (2013). Boosting correct and appropriate booster seat use in Australia. Safety Science, 54, 51-57.
41. **Rudin-Brown, C.M.**, Mitsopoulos-Rubens, E., & Lenné, M.G. (2012). Perceived effectiveness of random testing for alcohol and drugs in the Australian aviation community. Aviation Psychology and Applied Human Factors, 2(2), 72-81.
42. **Rudin-Brown, C.M.**, Koppel, S., Clark, B., & Charlton, J. (2012). Prevalence of mobile phone vs. child-related driver distraction in a sample of families with young children. Journal of the Australasian College of Road Safety, 23(2), 58-63.
43. Filtness, A.J., & **Rudin-Brown, C.M.** (2012). Drinking and riding: is subjective workload related to performance? In: Proceedings of the 2012 Australasian Road Safety Research, Policing and Education Conference, Wellington, NZ, 4-6 October.
44. Edquist, J., **Rudin-Brown, C. M.**, & Lenné, M. (2012). Road-rail level crossings: expectations and behaviour. In: Advances in Traffic Psychology, M. Sullman and L. Dorn (Eds). Ashgate, pp.251-259.
45. **Rudin-Brown, C. M.**, Burns, P., Hagen, L., Roberts, S. & Scipione, A., (2012). Behavioural adaptation as a consequence of extended use of low-speed backing aids. In: Advances in Traffic Psychology, M. Sullman and L. Dorn (Eds). Ashgate, pp.285-294.
46. Young, K.L., Mitsopoulos-Rubens, E., **Rudin-Brown, C.M.**, & Lenné, M.G. (2012). The effects of using a portable music player on simulated driving performance and task-sharing strategies. Applied Ergonomics, 43, 738-746.
47. **Rudin-Brown, C.M.**, & Cornelissen, M. (2012). Can radar detectors and safety warning systems (SWS) improve road safety? Journal of the Australasian College of Road Safety, 23(1), 9-15.
48. Edquist, J.E., **Rudin-Brown, C.M.**, & Lenné, M.G. (2012). The effects of on-street parking and road environment visual complexity on travel speed and reaction time. Accident Analysis and Prevention, 45, 759-765.
49. **Rudin-Brown, C.M.**, Lenné, M.G., Edquist, J., & Navarro, J. (2012). Effectiveness of traffic light vs. boom barrier controls at road-rail level crossings: A simulator study. Accident Analysis and Prevention, 45, 187-194.
50. Young, K. L., **Rudin-Brown, C. M.**, Lenné, M. G. and Williamson, A. R. (2012). The implications of cross-regional differences for the design of in-vehicle information systems: A comparison of Australian and Chinese drivers. Applied Ergonomics, 43, 564-573.

51. **Rudin-Brown, C.M.**, Clark, B., Allen, A., Mulvihill, C., & Filtness, A. (2011). Do drinking and riding mix? Effects of legal doses of alcohol on balance ability in experienced motorcyclists. In: Proceedings of the 2011 Australasian Road Safety Research, Policing and Education Conference, Perth, WA, 6-8 November.
52. Edquist, J., **Rudin-Brown, C. M.** and Lenné, M. (2011). Speed choice and hazard perception in complex urban road environments with on-street parking. In: Proceedings of the 2011 Australasian Road Safety Research, Education and Policing Conference. Perth, WA, 6-8 November.
53. **Rudin-Brown, C. M.**, Young, K. L., Patten, C., Lenné, M. G. and Ceci, R. (2011). Driver distraction in an unusual environment: Effects of text-messaging in tunnels. In: Proceedings of the 2nd International Conference of Driver Distraction and Inattention, Gothenburg, Sweden.
54. **Rudin-Brown, C. M.**, Koppel, S. and Charlton, J. L. (2011). Are children more distracting than technology? Using naturalistic data to explore rear seat child occupants as a source of driver distraction. In: Proceedings of the 2nd International Conference on Driver Distraction and Inattention, Gothenburg, Sweden.
55. Young, K.L., Mitsopoulos-Rubens, E., **Rudin-Brown, C.**, & Lenné, M.G. (2011). Driver behaviour and task-sharing strategies when using a portable music player. In: Proceedings of the 2nd International Conference of Driver Distraction and Inattention, Gothenburg, Sweden.
56. Lenné, M.G., **Rudin-Brown, C.M.**, Navarro, J., Edquist, J., Trotter, M., & Tomasevic, N. (2011). Driver behaviour at rail level crossings: Responses to flashing lights, traffic signals and stop signs in simulated rural driving. Applied Ergonomics, 42(4)(Special Issue on Transportation Safety), 548-554.
57. Young, K.L., **Rudin-Brown, C.M.**, & Lenné, M.G. (2010). Look who's talking! Melbourne drivers' use of cell phones. Traffic Injury Prevention, 11(6), 555-560.
58. **Rudin-Brown, C.M.** (2010). "Intelligent" in-vehicle ITS: Limiting behavioural adaptation through adaptive design. IET Intelligent Transport Systems, 4(4), 252-261.
59. **Rudin-Brown, C.M.** & Lenné, M.G. (2010). Driving simulation to support road safety policy: Understanding crash risks to better inform speed setting guidelines. Proceedings of the 2010 Australasian Road Safety Research, Education and Policing Conference, Canberra, ACT, Aug 31 – Sept. 3.
60. Young, K.L., Lenné, M.G., **Rudin-Brown, C.M.**, & Fitzharris, M. (2010). How can we assess the role of driver distraction in crashes? Feasibility of using the Australian National Crash In-depth Study (ANCIS) for collecting distraction data. Proceedings of the 2010 Australasian Road Safety Research, Education and Policing Conference, Canberra, ACT, Aug 31 – Sept. 3.
61. Young, K.L., **Rudin-Brown, C.M.**, & Lenné, M.G. (2010). Mobile phone use and engagement in other distracting activities: An observational survey of Melbourne drivers. Proceedings of the 2010 Australasian Road Safety Research, Education and Policing Conference, Canberra, ACT, Aug 31 – Sept. 3.
62. Salmon, P. M., Lenné, M. G., Young, K. L., Tomasevic, N., Williamson, A., **Rudin-Brown, C. M.** (2010). Driver behaviour and decision making at railway level crossings: an exploratory on-road case study. Proceedings of the Australasian Road Safety Research, Policing and Education Conference, Canberra, ACT. Aug 31 – Sept. 3.



63. Watson, L., Lavack, A.M., **Rudin-Brown, C.M.**, Burns, P., & Mintz, J.M. (2010). Message content in Canadian automotive advertising: A role for regulation? Canadian Public Policy, 36(suppl.), S49-S67.
64. Salmon, P. M., Williamson, A., Lenné, M. G., Mitsopoulos-Rubens, E., & **Rudin-Brown, C.** (2010). Systems-based accident analysis in the led outdoor activity domain: application and evaluation of a risk management framework. Ergonomics, 53(8), 927-939.
65. **Rudin-Brown, C.M.**, Lenné, M.G., Edquist, J., Trotter, M., Navarro, J., & Tomasevic, N. (2010). Driver compliance with, and understanding of, level crossing controls. Journal of the Australasian College of Road Safety, 21(2), 50-55.
66. Salmon, P. M., Williamson, A., Lenne, M. G., Mitsopoulos-Rubens, E., **Rudin-Brown, C. M.** (2010). Understanding accidents in the great outdoors: Testing a risk management framework in the led outdoor activity domain. Proceedings of the 3rd International Conference on Applied Human Factors and Ergonomics, July 17-20, Miami.
67. Lenné, M. G., **Rudin-Brown, C. M.**, Navarro, J., Edquist, J., Trotter, M., & Tomasevic, N. (2010). Driver compliance with rail level crossing controls in a driving simulator. Proceedings of the 9<sup>th</sup> International Symposium of the Australian Aviation Psychology Association: Managing safety – Maximising performance, Sydney, 18-22 April.
68. Trotter, M., Mitsopoulos-Rubens, E., & **Rudin-Brown, C.M.** (2009). An overview of a multi-method investigation into injuries arising from the interaction between police officers' appointments belt and their work vehicle. Proceedings of the 45<sup>th</sup> Annual Conference of the Human Factors and Ergonomics Society of Australia (HFESA), November 22-25, Melbourne.
69. Mitsopoulos-Rubens, E., **Rudin-Brown, C.M.**, & Lenné, M.G. (2009). Graduated licensing for motorcyclists: Rationale, effectiveness, challenges and opportunities for the future. Proceedings of the 2009 Australasian Road Safety Research, Education and Policing Conference, November 11-13, Sydney, 279-286.
70. **Rudin-Brown, C.M.**, Lenné, M.G., Edquist, J., Trotter, M., Navarro, J., & Tomasevic, N. (2009). Driver compliance with, and understanding of, level crossing controls. Proceedings of the 2009 Australasian Road Safety Research, Education and Policing Conference, November 11-13, Sydney, 428-434.
71. **Rudin-Brown, C.M.** (2009). Behavioral adaptation and in-vehicle ITS. Traffic Technology International, October/November, 46-47.
72. **Rudin-Brown, C.M.**, Young, K.L., & Lenné, M.G. (2009). Behavioural adaptation to mobile phone legislation: Could there be unintended consequences of partial bans? Proceedings of the First International Conference on Driver Distraction and Inattention, September 29-30, Gothenburg.
73. **Rudin-Brown, C.M.**, Jenkins, R.W., Whitehead, T., & Burns, P.C. (2009). Could ESC (Electronic Stability Control) change the way we drive? Traffic Injury Prevention, 10(4), 340-347.
74. **Rudin-Brown, C.M.**, Jenkins, R.W., Whitehead, T., & Burns, P.C. (2009). Does ESC (Electronic Stability Control) change the way we drive? Proceedings of the 88<sup>th</sup> Annual Meeting of the Transportation Research Board, January 11-15, Washington, DC.

75. **Rudin-Brown, C.M.**, Scipione, A., Armstrong, J., Lai, G., Salway, A., & Kumagai, J. (2008). LATCH (Lower Anchors and Tethers for CHildren) usability in school buses and passenger vehicles. Traffic Injury Prevention, *9*(5).
76. **Rudin-Brown, C.M.** (2008). An evaluation of drivers' use of low-speed backing aids. Proceedings of the 4<sup>th</sup> International Conference for Traffic and Transport Psychology, Aug.31-Sept.4, Washington, DC.
77. Burns, P.C., & **Rudin-Brown, C.M.** (2008). Dangerous practices in automotive advertising. Proceedings of the 4<sup>th</sup> International Conference for Traffic and Transport Psychology, Aug.31-Sept.4, Washington, DC.
78. **Rudin-Brown, C.M.**, Burns, P.C., Lavack, A.M., Watson, L.M., Mintz, J.H., & Colterman, B. (2008). Be driving excitement! Accelerate the future! Zoom-zoom! Unsafe themes in recent Canadian automotive advertisements. Proceedings of the 18<sup>th</sup> annual Canadian Multidisciplinary Road Safety Conference, June 8-11, Whistler, BC.
79. **Rudin-Brown, C.M.** & Burns, P. (2007). The secret of electronic stability control (ESC). Proceedings of the 17<sup>th</sup> annual Canadian Multidisciplinary Road Safety Conference, June 3-6, Montreal, QC.
80. **Rudin-Brown, C.M.** (2006). The effect of driver eye height on speed choice, lane-keeping, and car-following behavior: Results of two driving simulator studies. Traffic Injury Prevention, *7*(4), 365-372.
81. Scipione, A., Armstrong, J., Lai, G., Salway, A., Kumagai, J., & **Rudin-Brown, C.** (2006). Usability study of the universal anchorage system (UAS) for child restraint systems (CRS) in school buses and passenger vehicles. Proceedings of the 50<sup>th</sup> Annual Meeting of the Human Factors and Ergonomics Society, October 16-20, San Francisco, CA.
82. **Rudin-Brown, C.M.** (2005). Usability of the Universal Attachment System (UAS) for child restraint systems in school buses and passenger vehicles. Proceedings of the 15<sup>th</sup> Canadian Injury Prevention and Safety Promotion Conference, November 3-6, Halifax, NS.
83. **Rudin-Brown, C.M.** (2005). Driver distraction from in-vehicle telematics devices: The public opinion. Proceedings of the International Conference on Distracted Driving, Toronto, ON, October 3-5. [www.distracteddriving.ca](http://www.distracteddriving.ca).
84. **Rudin-Brown, C.M.** (2004). Vehicle height affects drivers' speed perception: Implications for rollover risk. Transportation Research Record, *1899*, 84-89.
85. **Rudin-Brown, C.M.**, & McCurdie, (2004). Don't drive high! Vehicle height affects speed choice and lane-keeping performance. Proceedings of the 14<sup>th</sup> Canadian Multidisciplinary Road Safety Conference, June 27-30, Ottawa, ON.
86. **Rudin-Brown, C.M.**, & Parker, H.A. (2004). Behavioural adaptation to adaptive cruise control (ACC): Implications for preventive strategies. Transportation Research Part F: Traffic Psychology and Behaviour, *7*, 59-76.
87. **Brown, C.M.**, & Noy, Y.I. (2004). Behavioural adaptation to in-vehicle safety measures: Past ideas and future directions. In: T. Rothengatter, R.D. Huguenin (Eds.) Traffic and Transport Psychology: Theory and Application, Oxford: Elsevier Ltd, pp.25-46.

88. **Rudin-Brown, C.M.** (2004). Vehicle height affects drivers' speed perception: Implications for rollover risk. Proceedings of the 83<sup>rd</sup> Annual Meeting of the Transportation Research Board, January 11-15, Washington, DC.
89. **Rudin-Brown, C.M.**, Greenley, M.P., Barone, A., Armstrong, J., Salway, A.F., & Norris, B.J. (2004). The design of child restraint system (CRS) labels and warnings affects overall CRS usability. Traffic Injury Prevention, 5(1), 8-17.
90. **Rudin-Brown, C.M.** (2003). The quality of labels on child restraint systems (CRS) affects whether they are installed correctly—Recommendations for federal regulators. Proceedings of the 13<sup>th</sup> Canadian Injury Prevention and Safety Promotion Conference, November 23-25, Ottawa, ON.
91. **Rudin-Brown, C.M.**, Parker, H.A., & Malisia, A.R. (2003). Behavioural adaptation to adaptive cruise control. Proceedings of the 47<sup>th</sup> Annual Meeting of the Human Factors and Ergonomics Society, October 13-17, Denver, CO.
92. Parker, H.A., Malisia, A.R., & **Rudin-Brown, C.M.** (2003). Adaptive cruise control and driver workload. Proceedings of the 15<sup>th</sup> Triennial Congress of the International Ergonomics Association, August 24-29, Seoul, Korea.
93. **Rudin-Brown, C.M.**, Kumagai, J.K., Angel, H.A., Iwasa-Madge, K.M., & Noy, Y.I. (2003). Usability issues concerning child restraint system harness design. Accident Analysis and Prevention, 35(3), 341-348.
94. Reed, M.P., Lehto, M.M., Anctil, B., **Brown, C.**, & Noy, I. (2002). Development of seatbelt fit assessment components for the ASPECT manikin. Technical Paper 2002-01-0686, SAE International: Warrendale, PA.
95. **Rudin-Brown, C.M.**, & Noy, Y.I. (2002). Investigation of behavioral adaptation to lane departure warnings. Transportation Research Record, 1803, 30-37.
96. **Rudin-Brown, C.M.**, & Noy, Y.I. (2002). An investigation of behavioural adaptation to lane departure warnings. Proceedings of the 81<sup>st</sup> Annual Meeting of the Transportation Research Board, January 13-17, Washington, DC.
97. **Brown, C.M.** (2001). New in-vehicle technologies: Are lane departure warnings a good thing? Proceedings of the Société d'Ergonomie de la Langue Française/Association of Canadian Ergonomists (32<sup>nd</sup> annual) Joint Conference, October 3-5, Montreal, QC.
98. Pruet, C.J., **Brown, C.M.**, & Balzulat, J. (2001). Development of an electronic belt fit test device (eBTD) for digitally certifying seat belt fit compliance. Proceedings of the International Conference and Exposition on Digital Human Modeling for Design and Engineering, June 26-28, Arlington, VA. Paper No. 01DHM-1.
99. Anctil, B., Shewchenko, N., Noy, I., **Brown, C.**, & Reed, M. (2001). Implementation of the belt fit assessment capabilities with the new ASPECT mannequin. Proceedings of the 11<sup>th</sup> Canadian Multidisciplinary Road Safety Conference, June 10-13, London, ON.
100. **Brown, C.M.**, Noy, Y.I., & Pruet, C.J. (2001). The electronic belt-fit test device (eBTD): A method for certifying safe seat belt fit. Proceedings of the 17<sup>th</sup> International Conference on the Enhanced Safety of Vehicles, June 4-7, Amsterdam, The Netherlands. Paper No. 438.

101. **Brown, C.M.** (2000). The concept of behavioural adaptation: does it occur in response to lane departure warnings? Proceedings of the International Conference of Traffic and Transport Psychology, September 4-7, Berne, Switzerland.
102. **Brown, C.M.**, Noy, Y.I., & Cassidy, H. (1999). Quality of driving with cellular telephones. Proceedings of the 31<sup>st</sup> annual conference of the Association of Canadian Ergonomists, October 13-16, Hull, Quebec.
103. **Brown, C.M.**, Fletcher, P.J., & Coscina, D.V. (1998). Neuropeptide Y-induced operant responding for sucrose is not mediated by dopamine. Peptides, 19, 1667-1673
104. **Brown, C.M.**, Fletcher, P.J., & Coscina, D.V. (1998). Acute amino acid loads which deplete brain serotonin fail to alter behaviour. Pharmacology, Biochemistry and Behavior, 59, 115-121.
105. **Brown, C.M.**, & Fedoroff, J.P. (1996). Masturbation prohibition in sex offenders: A crossover study. Archives of Sexual Behavior, 25, 397-408.
106. **Brown, C.M.**, & Coscina, D.V. (1995). Ineffectiveness of hypothalamic serotonin to block neuropeptide Y-induced feeding. Pharmacology, Biochemistry and Behavior, 51(4), 641-646.

#### **PRESENTATIONS:**

1. **Rudin-Brown, C.M.** (2019). Safety of snowplows at road-rail level crossings: Summary of the human factors issues involved in the January 2018 London ON level crossing crash. 6<sup>th</sup> Ontario Road Safety Forum, Toronto, ON, October 17.
2. **Rudin-Brown, C.M.** (2019) Transportation Safety Board of Canada (TSB) fatigue investigation methodology and recent recommendations. 24<sup>th</sup> International Symposium on Shiftwork and Working Time Coeur D'Alene, Idaho, September 9-13.
3. **Rudin-Brown, C.M.** (2019). Seasonal variation in level crossing accidents (2007 to 2017): What are the contributing factors? Transport Canada's Rail Research Seminar, Ottawa, ON, May 16.
4. **Rudin-Brown, C.M.**, Rosberg, A., & Krukowski, D. (2019). If we'd only listen! What research can tell us about aircrew fatigue. 20<sup>th</sup> International Symposium of Aviation Psychology. Dayton, Ohio; May 7.
5. **Rudin-Brown, C.M.** (2019). Tools for prevention: Investigating and understanding the human and organizational factors involved in the Sept. 2013 crash in Ottawa between an OC Transpo double-decker bus and a VIA passenger train. 5<sup>th</sup> Ontario Road Safety Forum, Toronto, ON, March 27.
6. **Rudin-Brown, C.M.** (2013 to 2018). Investigating for Human Fatigue. Two-hour course within 4-day TSB course "Investigating for Human and Organizational Factors (IHOF)".
7. **Rudin-Brown, C.M.** (2017). The effects of fatigue on human performance: Why and how the TSB investigates for fatigue in every occurrence. All Canada Aeromedical Transport (ACAT) Safety Conference, Toronto, ON. November 21 – 23.
8. **Rudin-Brown, C.M.**, Harris, S., & Rosberg, A. (2017). How shift scheduling practices contribute to fatigue amongst freight rail operating employees: Findings from accident

investigations. Presented at the 10<sup>th</sup> International Conference on Managing Fatigue, San Diego CA: March 20 to 23.

9. **Rudin-Brown, C.M.**, Roosenboom, D., & Finch-Field, C. (2017). What can we learn about railway human factors and operational issues using locomotive voice and video recorders (LVVR)? Presented at the 96th Annual Meeting of the Transportation Research Board. Paper No. 17-01333, Washington, DC.
10. **Rudin-Brown, C.M.** (2016). Recurring themes: Schemas and distraction in recent crashes at road-rail level crossings. Presented at the 7<sup>th</sup> International Conference of Traffic and Transport Psychology. Brisbane, Australia: August 2-5.
11. **Rudin-Brown, C.M.** (2016). Usability of child restraint systems (CRS): What we know, and what to do? Presented to the Monash University Accident Research Centre. Melbourne, Australia: July 21.
12. **Rudin-Brown, C.M.** (2016). How the TSB investigates for human and organizational factors: The OC Transpo – VIA Rail accident. Presented to the Australian Transport Safety Bureau (ATSB). Canberra, Australia: July 14.
13. **Rudin-Brown, C.M.** (2016). Understanding the factors contributing to human behaviour leads to systemic safety improvements: Investigating human and organizational factors involved in the September 2013 crash between an OC Transpo double-decker bus and a VIA passenger train. Presented to the Ottawa Chapter of the System Safety Society. Ottawa, ON: April 21.
14. **Rudin-Brown, C.M.**, & Conners, G. (2016). Babes in arms: The safety of infants and small children on commercial aircraft. Presented at the 95<sup>th</sup> Annual Meeting of the Transportation Research Board. Washington, DC: January 10-14.
15. **Rudin-Brown, C.M.**, & Smiley, A. (2015). Motor Vehicle Accidents – The Human Factors Analysis. Presentation made at The Oatley McLeish Guide to Motor Vehicle Litigation, Toronto, ON. March 26.
16. **Rudin-Brown, C.M.** (2015). The effects of fatigue on human performance: Why and how the TSB investigates for fatigue in every occurrence. Presented to Atlantic Pilotage Authority, Halifax, NS. July 7.
17. **Rudin-Brown, C.M.** (2015). Human factors issues of accidents at passively controlled rural level crossings. Presented to the Eastern Ontario chapter of the Canadian Society of Safety Engineers. Ottawa, ON, 26 February.
18. **Rudin-Brown, C.M.**, Stuart, J.J., Mustard, D., French-St. George, M., & Johnston, R. (2014). Extending the approach zone at passive level crossings: Improving train detection and driver decision-making. Presented at the 2014 Global Level Crossing Symposium, 4-8 August, Urbana, IL. Paper no. GLXS2014-1043.
19. **Rudin-Brown, C.M.** (2014). Human factors issues of accidents at passively controlled rural level crossings where drivers continued despite an approaching train. Presented to the Transport Canada Regional Investigation Team meeting. Gatineau, QC, 22 January.
20. **Rudin-Brown, C.M.**, French-St.George, M., & Stuart, J.J. (2014). Human factors issues of accidents at passively controlled level crossings. Presented at the 93<sup>rd</sup> Annual Meeting of the Transportation Research Board. Washington, DC: January 14.

21. **Rudin-Brown, C.M.** (2014). Human factors issues of accidents at passively controlled rural level crossings where drivers continued despite an approaching train. Presented at the Eastern Ontario Traffic Investigators Society fall seminar. Ottawa, ON: December 4.
22. **Rudin-Brown, C.M.** (2012). Injuries to police officers associated with police vehicle travel: Results of a multi-year WorkCover Assist Applied Research project. Presented at the Police Association of New South Wales' biennial conference. Sydney, NSW: 10 May.
23. **Rudin-Brown, C.M.**, Clark, B., Allen, A., Mulvihill, C., & Filtness, A. (2011). Do drinking and riding mix? Effects of legal doses of alcohol on balance ability in experienced motorcyclists. 2011 Australasian Road Safety Research, Policing and Education Conference, Perth, WA: 8 November.
24. **Rudin-Brown, C.M.**, Burns, P.C., Hagen, L., Roberts, S., & Scipione, A. (2011). Differences in visual search behaviour and parking accuracy in drivers using video- vs. sonar-based reversing aids. 2011 Australasian Road Safety Research, Policing and Education Conference. Perth, WA: 8 November.
25. **Rudin-Brown, C.M.**, & Young, K.L. (2011). Recent distraction research the MUARC Human Factors team. VTI head offices, Linköping, Sweden: 2 September.
26. **Rudin-Brown, C. M.**, Young, K. L., Patten, C., Lenné, M. G. and Ceci, R. (2011). Driver distraction in an unusual environment: Effects of text-messaging in tunnels. Presented at: 2nd International Conference of Driver Distraction and Inattention. Gothenburg, Sweden: 7 September.
27. **Rudin-Brown, C. M.**, Koppel, S. and Charlton, J. L. (2011). Are children more distracting than technology? Using naturalistic data to explore rear seat child occupants as a source of driver distraction. Presented at: 2nd International Conference on Driver Distraction and Inattention. Gothenburg, Sweden: 6 September.
28. **Rudin-Brown, C.M.**, Salmon, P.M., & Lenné, M.G. (2011). Comparison of naturalistic driver behaviour on approach to a road-rail level crossing vs. a signalised intersection. Presented at: AutoCRC Technical Conference. Melbourne, VIC: 7 July.
29. **Rudin-Brown, C.M.** (2010). Usability of the Universal Attachment System (ISOFIX) for child restraint systems in school buses and passenger vehicles. Presented at the SAE Australasia Child Restraint Systems Symposium. Melbourne, Victoria: 10 November.
30. **Rudin-Brown, C.M.** (2010). Human-Machine Interaction (HMI) research: Behavioural Adaptation to In-vehicle Technologies. Presented at: SAE Australasia Symposium. Melbourne, Victoria: 10 September.
31. **Rudin-Brown, C.M.**, Burns, P.C., Hagen, L., Roberts, S., & Scipione, A. (2010). Changes in observed driver behaviour following extended use of in-vehicle backing aids. Presented at: 2010 International Conference of Applied Psychology. Melbourne, VIC: 12-16 July.
32. Edquist, J., **Rudin-Brown, C.**, Lenné, M., & Navarro, J. (2010). Road-rail level crossings: expectations and behavior. Presented at the 2010 International Conference of Applied Psychology, Melbourne, VIC, 12-16 July.
33. **Rudin-Brown, C.M.** (2010). Paved with good intentions: Why drivers assistance and child restraint systems (CRS) don't always work as intended... Presented at the Curtin-Monash Accident Research Centre (C-MARC) seminar series, May 17.

34. **Rudin-Brown, C.M.**, Lenné, M.G., Edquist, J., Trotter, M., Navarro, J., & Tomasevic, N. (2009). Driver compliance with, and understanding of, level crossing controls. Presented at the 2009 Australasian Road Safety Research, Education and Policing Conference, November 11-13, Sydney.
35. Mitsopoulos-Rubens, E., **Rudin-Brown, C.M.**, & Lenné, M.G. (2009). Graduated licensing for motorcyclists: Rationale, effectiveness, challenges and opportunities for the future. Presented at the 2009 Australasian Road Safety Research, Education and Policing Conference, November 11-13, Sydney.
36. **Rudin-Brown, C.M.**, Young, K.L., & Lenné, M.G. (2009). Behavioural adaptation to mobile phone legislation: Could there be unintended consequences of partial bans? Presented at the First International Conference on Driver Distraction and Inattention, September 29-30, Gothenburg.
37. **Rudin-Brown, C.M.** (2009). “Intelligent” in-vehicle ITS: Limiting behavioural adaptation through adaptive design. Presented at the 16<sup>th</sup> ITS World Congress, Special Interest Session 31. September 21-25, Stockholm.
38. **Rudin-Brown, C.M.**, Jenkins, R.W., Whitehead, T., & Burns, P.C. (2009). Does ESC (Electronic Stability Control) change the way we drive? Presented at the 88<sup>th</sup> Annual Meeting of the Transportation Research Board, January 11-15, Washington, DC.
39. **Rudin-Brown, C.M.** (2008). An evaluation of drivers’ use of low-speed backing aids. Presented at the 4<sup>th</sup> International Conference for Traffic and Transport Psychology, Aug.31-Sept.4, Washington, DC.
40. **Rudin-Brown, C.M.** (2008). Human factors issues associated with Vehicle-Infrastructure Integration (VII). Presented at the ITS Canada general meeting and annual conference, June 4, Montreal.
41. **Rudin-Brown, C.M.**, & Koonar, A. (2007). Road weather information systems and related technologies: A different kind of collision avoidance system. Presented at the Eastern Ontario Traffic Investigators Society fall seminar, November 27, Ottawa, ON.
42. **Rudin-Brown, C.M.** (2007). Can new in-vehicle technologies help the drivers of the federal fleet? Invited presentation given at the 8<sup>th</sup> Annual Federal Fleet Managers’ Workshop, Oct. 30, Orford, QC.
43. **Rudin-Brown, C.M.** (2007). Can new in-vehicle technologies help law enforcement officers? Invited presentation given at the 2007 Ontario Provincial Police Collision Reconstructionists’ Seminar, October 25, Orillia, ON.
44. **Rudin-Brown, C.M.** (2007). Electronic Stability Control (ESC). Invited presentation given at the HC / PHAC / CIHR Working Group for Injury Prevention and Control, September 27, Ottawa, ON.
45. **Rudin-Brown, C.M.** (2007). New in-vehicle technologies and the new driver curriculum. Invited presentation given at the 15<sup>th</sup> Annual Road Safety Educators’ Association conference, September 20, Montreal, QC.
46. **Rudin-Brown, C.M.** (2007). Can new in-vehicle technologies help the drivers of your fleet? Invited presentation given at the 14<sup>th</sup> Annual Meeting of the National Association of Fleet Administrators, September 19, Toronto, ON.

47. **Rudin-Brown, C.M.** (2007). Paved with good intentions: Why in-vehicle road safety interventions don't always work. Presented at the Eastern Ontario Traffic Investigators Society seminar, June 22, Ottawa, ON.
48. **Rudin-Brown, C.M.** & Burns, P. (2007). The secret of electronic stability control (ESC). Presented at the 14<sup>th</sup> annual Canadian Multidisciplinary Road Safety Conference, June 3-6, Montreal QC.
49. **Rudin-Brown, C.M.** (2007). Awareness of electronic stability control among Canadian drivers. Presented at the Choose ESC! campaign launch and media event, May 8, Rome.
50. **Rudin-Brown, C.M.** (2005). Usability of the Universal Attachment System (UAS) for child restraint systems in school buses and passenger vehicles. Presented at the 2005 Canadian Injury Prevention and Safety Promotion Conference, November 3-6, Halifax, NS.
51. **Rudin-Brown, C.M.** (2005). Driver distraction from in-vehicle telematics devices: The public opinion. Presented at the International Conference on Distracted Driving, Toronto, ON, October 3-5.
52. **Rudin-Brown, C.M.**, & McCurdie, (2004). Don't drive high! Vehicle height affects speed choice and lane-keeping performance. Presented at the 14<sup>th</sup> Annual Meeting of the Canadian Multidisciplinary Road Safety Conference, June 27-30, Ottawa, ON.
53. Noy, Y. I., Harbluk, J.L., **Rudin-Brown, C.M.**, & Burns, P. C. (2004). Driver-vehicle interaction in intelligent vehicles: Human factors and safety considerations. Presented at The Research Institute of Human Factors International Conference on Road Safety, Trauma and Rehabilitation, February 4-5, Rishon Le'Tzion, Israel.
54. **Rudin-Brown, C.M.** (2004). Vehicle height affects drivers' speed perception: Implications for rollover risk. Presented at the 83<sup>rd</sup> Annual Meeting of the Transportation Research Board, January 11-15, Washington, DC.
55. **Rudin-Brown, C.M.** (2003). The quality of labels on child restraint systems (CRS) affects whether they are installed correctly—Recommendations for federal regulators. Presented at the 2003 Canadian Injury Prevention and Safety Promotion Conference, November 23-25, Ottawa, ON.
56. **Rudin-Brown, C.M.**, Parker, H.A., & Malisia, A.R. (2003). Behavioural adaptation to adaptive cruise control. Presented at the 47<sup>th</sup> Annual Meeting of the Human Factors and Ergonomics Society, October 13-17, Denver, CO.
57. Parker, H.A., Malisia, A.R., & **Rudin-Brown, C.M.** (2003). Adaptive cruise control and driver workload. Presented at the 15<sup>th</sup> Triennial Congress of the International Ergonomics Association, August 24-29, Seoul, Korea.
58. **Rudin-Brown, C.M.**, & Noy, Y.I. (2002). Preventing injuries in child occupants of motor vehicles: The usability of child restraint system harness designs. Presented at the 6<sup>th</sup> World Conference on Injury Prevention and Control, May 12-15, Montreal, Quebec.
59. **Rudin-Brown, C.M.**, & Noy, Y.I. (2002). An investigation of behavioural adaptation to lane departure warnings. Presented at the 81<sup>st</sup> Annual Meeting of the Transportation Research Board, January 13-17, Washington, DC.



60. **Brown, C.M.** (2001). New in-vehicle technologies: Are lane departure warnings a good thing? Presented at the Société d'Ergonomie de la Langue Française/Association of Canadian Ergonomists (32<sup>nd</sup> annual) Joint Conference, October 3-5, Montreal, Quebec.
61. **Brown, C.M.** (2001). Using the new eBTD module in RAMSIS for assessing seat belt fit. Presented at the 2<sup>nd</sup> RAMSIS User Conference, Sept.24-25, Munich, Germany.
62. **Brown, C.M.**, Noy, Y.I. & Pruett, C.J. (2001). The electronic belt-fit test device (eBTD): A method for certifying safe seat belt fit. Presented at the 17<sup>th</sup> International Conference on the Enhanced Safety of Vehicles, June 4-7, Amsterdam, The Netherlands.
63. **Brown, C.M.** (2001). The usability of child restraint system (CRS) harnesses: Can we do better? Presented at the 5<sup>th</sup> International Child Passenger Safety Technical Conference, June 2-6, Indianapolis, Indiana.
64. **Brown, C.M.** (2000). An evaluation of child restraint harness usability. Seminar presented to the International Standards Organization meeting of Working Group 1 (Child Restraints), Oct.27, Aylmer, Quebec.
65. **Brown, C.M.** (2000). The concept of behavioural adaptation: Does it occur in response to lane departure warnings? Presented at the International Conference on Traffic and Transport Psychology, Sept.4-7, Berne, Switzerland.
66. **Brown, C.M.** (2000). Theories of behavioural adaptation to in-vehicle safety measures: Past research and future directions. Presented at the Annual Meeting of the Canadian Association of Road Safety Professionals, June 16, Blainville, Québec.
67. **Brown, C.M.**, Noy, Y.I., & Cassidy, H. (1999). Quality of driving with cellular telephones. Presented at the 31<sup>st</sup> annual meeting of the Association of Canadian Ergonomists, October 13-16, Hull, Quebec.
68. **Brown, C.M.** (1999). The Simply Wonderful Instrumented Research Vehicle (SWIRV). Presented at the Transport Canada Road Safety Directorate staff meeting, September 29.
69. **Brown, C.M.** (1999). The Simply Wonderful Instrumented Research Vehicle (SWIRV). Presented at the DriiVE-Driving Research in Instrumented Vehicles Workshop, Helsinki, Finland, July 21-23.
70. **Brown, C.M.**, Fletcher, P.J., & Coscina, D.V. (1998). Neuropeptide Y injected into the nucleus accumbens or the perifornical hypothalamus produces a conditioned place preference. Presented at the 28<sup>th</sup> annual meeting of the Society for Neuroscience, Los Angeles, CA, November 1-7.
71. **Brown, C.M.**, Fletcher, P.J., & Coscina, D.V. (1997). Effects of hypothalamic and accumbens neuropeptide Y on chow vs. sucrose intake. Presented at the 27<sup>th</sup> annual meeting of the Society for Neuroscience, New Orleans, LA, October 24-30.
72. **Brown, C.M.** (1997). Effects of neuropeptide Y on dopamine: Implications for feeding and reward. Presented at the University of Toronto's Behavioral Neuroscience Research Group, April 4.
73. **Brown, C. M.**, Fletcher, P.J., & Coscina, D.V. (1996). Increased progressive ratio responding after intrahypothalamic neuropeptide Y is not mediated by dopamine. Presented at he 26<sup>th</sup> annual meeting of the Society for Neuroscience, Washington, November 16-21.

74. **Brown, C.M.**, Fletcher, P.J., & Coscina, D.V. (1995). Acute amino acid loads which deplete serotonin fail to alter behaviour. Presented at the 25<sup>th</sup> annual meeting of the Society for Neuroscience, San Diego, November 11-16.
75. Currie, P.J., **Brown, C.M.**, & Coscina, D.V. (1994). Neuropeptide Y produces similar feeding but dissimilar metabolic effects after injection into the paraventricular vs. perifornical hypothalamus. Presented at the 2<sup>nd</sup> annual meeting of the Society for the Study of Ingestive Behaviour, Hamilton, August 17-20.
76. **Brown, C.M.**, & Coscina, D.V. (1993). Serotonin attenuates feeding induced by infusing neuropeptide Y into the perifornical hypothalamus. Presented at the 23<sup>rd</sup> annual meeting of the Society for Neuroscience, Washington, November 7-12.