

Ashleigh Filtress Ph.D, BSc (hons), DPS, CBiol

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Nationality: British and Australian



Personal summary

I am a driven and enthusiastic early career researcher with 6 years post Ph.D experience in road safety and sleep research, **57 peer reviewed publications (37 journal, 20 conference), over £2.4mil of research income** (including over £1 mil as principle investigator), 2 book chapters, over 40 government/industry reports, 21 conference presentations with peer reviewed abstracts and 13 invited presentations

Education

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| 2011 | Loughborough University, UK: Doctor of Philosophy (Driver Sleepiness),
Thesis: <i>Obstructive Sleep Apnoea and Day time Driver Sleepiness</i>
Supervisor: Dr Louise Reyner, Director of Research: Prof Jim Horne |
| 2007 | Loughborough University, UK: Bachelor of Science , Human Biology (Honours) First Class
Final year project: <i>The effect of a high sugar content drink on an afternoon nap</i>
Diploma of Professional Studies
Pharmaceutical Regulatory Affairs. 2006, 3M Health Care Ltd |

Professional status

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| 2012 | Royal Society of Biology, UK: Professional status: Chartered Biologist, MRSB |
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Employment History

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| May 2018 - present | Loughborough University Design School
Lecturer in Transport Safety <ul style="list-style-type: none">• Supervision of students and research assistants.• Working in international research collaborations.• Teaching on undergraduate and masters programmes |
| Feb 2016 – April 2018 | Loughborough University Design School
Senior Research Associate (100% research), Supervisor: Prof Pete Thomas <ul style="list-style-type: none">• Work Package leader on Horizon 2020 funded project SafetyCube.• Leading the Loughborough research involvement in all work packages.• Supervision of research staff.• Journal and conference paper submissions. |
| Feb 2013 – Jan 2016 | Centre for Accident Research and Road Safety – Queensland (CARRS-Q)
Queensland University of Technology
Research Fellow (100% research), Supervisor: Prof Narelle Haworth <ul style="list-style-type: none">• Leading grant and tender applications to state and national funding schemes.• Project manager roles ensuring completion of projects in a timely, cost effective manner.• Involvement in centre strategic planning activities. |
| Feb 2011 – Feb 2013 | Monash University Accident Research Centre (MUARC), Human Factors Team
Monash University
Research Fellow (100% research), Supervisor: Dr Missy Rudin-Brown <ul style="list-style-type: none">• Developing and conducting driving simulator studies.• Working on both large grant projects and industry funded research. |

Consultancy

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| Consultant sleep and fatigue advisor | <ul style="list-style-type: none">• Invited speaker at Monash Mental Health week (2012)• Invited speaker at the Woolcock Institute (2012)• Leading training workshops for the mining and haulage industries about sleep and work (specialising driver sleepiness) both for Awake Ltd and Fatigue Management International (2011). |
| Consultant road safety advisor | <ul style="list-style-type: none">• Advising Transport for NSW state government on removal of signage from disused rail level crossings. Voluntary service Naweed, A., Filtress, A (2015). |

Editorial Boards, Committees and Professional memberships

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| Journal editor | <ul style="list-style-type: none">• International editorial board, Applied Ergonomics. ISSN:0003-6870• Guest editor Fitness to Drive special issue Transportation Research Part F. ISSN:1369-8478 |
| Committees | <ul style="list-style-type: none">• European Sleep Research Society, Early Career Network Executive Committee 2014-16. Chair June 2015 – Feb 2016.• SomnoSafe 2016 International Symposium on Somolence and Safety. Scientific Committee member• Australasian College of Road Safety – Queensland, 2015. |
| Memberships | <ul style="list-style-type: none">• Sleep Research Society• European Sleep Research Society• Society of Biology, Chartered Biologist |

Awards

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| Competitive Partnerships and collaborations | <ul style="list-style-type: none">• British Sleep Society young sleep researcher award 2009.• Competitively awarded by the Health Collaborative Research Network in recognition of merit for existing research and for potential in establishing high performing and sustainable partnerships. Human Factors in Transport Exchange Program with Appleton Institute, Central Queensland University: Fatigue and SPAD risk. |
| Best conference paper | <ul style="list-style-type: none">• The Peter Vulcan Award for best research paper at the 2013 Australasian Road Safety Research, Policing and Education Conference. Salmon, P. M., Lenné, M. G., Walker, G., & Filtness, A. J. (2013, August 28-30). Investigating the factors influencing cyclist awareness and behaviour: an on-road study of cyclist situation awareness.• The best paper award at the 11th International Symposium of the Australian Aviation Psychology Association. Lenné, M., Salmon P.M., Beanland V., Stanton N.A., Filtness A. J. (2014, Nov) The application of decision-making paradigms to map real-world driver decision-making at rail level crossings. |
| Competitive training courses | <ul style="list-style-type: none">• Selection on to the 2011 International Master Class in Biomechanics for Design for Injury Prevention, Loughborough University, UK. This 4 day classroom based training course was conducted by international experts, including a focus on anthropometry and ergonomics for design. A travel grant to attend was awarded.• Selection on to the ESRS-EU Marie Curie FENS Project 2007 – 2010. Sleep Research Training Course and practical training. This involved a 6 day residential classroom based training course in sleep research, a 5 day practical training at Sleep and Wake Disorders Center, Department of Neurology, University Hospital Zürich, Switzerland 2009 and a 5 day symposium. |
| Travel awards | <ul style="list-style-type: none">• Travel award to attend the 2011 World Sleep Conference, in Kyoto, Japan.• Travel award to attend the APSS SLEEP 2010 meeting, in San Antonio, Texas |

Supervision, mentoring and teaching

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| Student supervision | <p>Ph.D supervisor: Pilkington-Cheney, F (2019 – present), Kunze, A (2016 – present,) Rodwell, D (2015-2016).</p> <p>Post graduate diploma: Primary supervisor: Sheppard, P and Lavan, G (2015 – 2016) Driver sleepiness in urban driving.</p> <p>Vacation research scholar: Primary supervisor: Hawkins, A 2014-2015. Driver Sleepiness and social media. Output: one journal paper, one conference paper</p> |
| Staff supervision | <ul style="list-style-type: none">• I supervise a team of research assistants, including managing workloads, defining work programs, monitoring progress, approving time sheets and completing annual performance development reviews. |
| Mentoring | <ul style="list-style-type: none">• I currently mentor five PhD students, four within my institute and one internationally. Mentorship is most frequently in relation to study methodologies but also involving career development and paper co-authorship. |
| Invited guest lecturer | <ul style="list-style-type: none">• Guest lecturer for the Australian National University (2012). Biological Psychology BSc.• Guest lecturer Belarusian Road Safety Network/Loughborough University (2016). Road Safety MSc.• Guest lecturer for Loughborough University (2017). Ergonomics BSc. |

Translation of research into policy/practice

Throughout my career I have worked on a range of short term industry and government funded projects. In total I have **authored 25 reports** which were directly commissioned to advance knowledge and to inform policy and practice. Eight of these reports were for **Australian state governments**. Recently, an international review of drug driving policy best practice and taxi driver fatigue management to inform NSW policy amendments. Two reports have been part of **Austrroads** (national) projects. Such reports assist Austrroads in providing technical input into national transport policy development. Outcomes from a recent research study conducted for the Australasian Centre for Rail Innovation has resulted in **updates to AS1742 Part 7 Standard** required sighting distance at passive level crossings. I have authored three reports for the Police Association of NSW regarding officer safety and comfort in police vehicles. The Police Association works closely with the Police Force to improve workplace health and safety; this work program influenced NSW police officers being allowed to carry their firearm in a thigh holster rather than on a waist belt. In addition, my PhD research was of direct interest to OSA patients and I was invited to speak at a local NHS patient association group to encourage patients not to drive when they are sleepy. Recently, I have been worked with the Australian Ballooning Federation to improve safety in ballooning operations through incident report analysis. Outcomes of this project were picked up by the Ballooning Federation of American and the British Balloon and Airship Club who also disseminated findings to their members.

Reviewing

Regularly undertake peer reviews for Applied Ergonomics, Accident Analysis and Prevention, and also Traffic Injury Prevention in the road safety domain. Additionally, technology journals on the topic of fatigue detection (IET Intelligent Transport Systems, Journal of Psychosomatic Research). Within the sleep research domain Journal of Sleep Research, Biological Psychology and Injury. Provided peer review services for the Australasian Road Safety Research, Policing and Education Conference and the Australian College of Road Safety Conference.

Citations

My research is recognised nationally and internationally, as demonstrated by my citations:

- 621 citations in Google Scholar. Fourteen papers have been cited at least fourteen times. H index = 14.
- 368 citations in Scopus. twelve papers have been cited at twelve four times. H index = 12.

Within the applied field of Road Safety, research citations are lower than other science domains. The journal with the highest Scopus Rank in field for Safety, Risk, Reliability and Quality has an impact factor of 2.391 and in the Transportation field has an impact factor of 3.306

Training and Equal Opportunities

- My commitment to continued professional development in activities related to human measurement (e.g. EEG and eye tracking) has been recognised by the Royal Society of Biology who awarded me Chartered Status.
- ILM Level 5 Certificate in Leadership and Management in progress. Expected completion April 2018.
- Example training undertaken at Loughborough University: Managing Research Projects, Writing Successful Research Grant Proposals, Recruitment and Selection and Respective Diversity.
- Example training undertaken at QUT: statistical methodology in meta-analysis and logistic regression.
- I recognise commitment to the Athena SWAN Charter and am committed to observing Equal Opportunities policies at all times

Research Income (\$1,208,669 total)

Internationally competitive grants	<ul style="list-style-type: none"> • Thomas, P., Filtness, A.J et al (2018) Levitate. Awarded by The European Commission H2020. 6.4mil Euro across 12 partners. 1.4mil Euro to home institute. • Brijs, T, et al (2019). iDreams Awarded by The European Commission H2020. 6.2mil Euro across 12 partners. 960 Euro to home institute as PI
National competitive grants	<ul style="list-style-type: none"> • Watson, B., Bates, L., & Filtness, A. J. (2014, June) Developing and evaluating a theoretically grounded novice driver education program incorporating simulators. Awarded by Australian Research Council Linkage Projects. \$203,000, plus \$75,000 partner contribution. • Beanland, V., & Filtness, A. J. (2014, July) Effects of sleep loss on change detection while driving. Awarded by the NRMA-ACT Road Safety Trust. \$51,814
Commercial contract research	<ul style="list-style-type: none"> • Filtness, A. J., Anund, A (2018, July). London Bus Driver Fatigue. Awarded by Transport For London. £149,370 • Filtness, A.J, Haslam, R., Gibb, A., Jones, W., (2018, May). Investigating fatigue in tunnelling workers. Awarded by Tideway £25,000. • Debnath, A., Haworth, N., Filtness A.J. Demmel, S. (2015 Oct). Road User Interaction with

worksites. \$49,779

- Wishart, D., Biggs, B., **Filtness, A.J.**, Watson, A., Rowland, B., Schramm, A, Haworth, N. (2015, Mar). Research proposal to reduce the crash involvement of taxis in Queensland: Situational analysis and crash and exposure analyses. Awarded by the Motor Accident Insurance Commission (MAIC). \$109,543
- Freeman, J., Watson, A., **Filtness, A.J.**, Wilson, H., Siskind V. (2015, Feb). Understanding drink-drivers, their re-offence and crash rates and the impact of sanctions. Awarded by VicRoads, State Government of Victoria. \$99,492
- Laure, G., **Filtness, A.J.**, Wood, J., Naweed, A., Rakotoniraiy, A (2015, Jan). Review of stop sign level crossing sighting distance. Awarded by Australasian Centre for Rail Innovation. \$159,049.
- Rakotoniraiy, A., **Filtness, A. J.***, Demmel, S., Blackman, R., Wishart D (2014, Dec). Literature and Product Review of Motorcycle Instrumentation Systems for Naturalistic Riding Studies. Awarded by Transport for New South Wales. \$32,945.
- Smith, S., **Filtness, A.J.***, Rowland, B. (2014, Nov) Review of taxi driver fatigue. Awarded by Transport for New South Wales. \$43, 194.
- Freeman, J., Armstrong, K., Palk, G., **Filtness, A. J.***, Davey, J., & Kiata-Holland, E. (2014, April) Drug driving policy review. Awarded by Transport for New South Wales. \$42,724
- Watson, B., Bates, L., **Filtness, A. J.**, & Fleiter, J. (2013, August) Research services to investigate how changing driver training in the Queensland licensing system would affect road safety. Awarded by Queensland Department of Transport and Main Roads. \$74,882
- Rakotoniraiy, A., **Filtness, A. J.***, Larue, G., & Schramm, A. (2013, July) Ability to absorb information from electronic and static signs (Austroads NT1782). Partnership program contract with ARRB. Awarded by ARRB. \$65,000
- Freeman, J., **Filtness, A. J.**, Armstrong, K., Sheehan, M. & Fleiter, J. (2013, February) Options for rehabilitation in alcohol interlock programs (SS1755). Awarded by Austroads. \$94,496
- Rudin-Brown, C. M., **Filtness, A. J.**, Lenné, M. G., & Young, K. L. (2011, July) Operational Pilot of electronic work diaries (EWD) and speed monitoring systems Stage 1. Awarded by Transport Certification Australia Ltd. (TCA) \$81,030
- Rudin-Brown, C. M., **Filtness, A. J.**, Lenné, M. G., Logan, D., & Young, K.L. (2011, April) TCA Electronic Work Diaries – Operational Pilot. Awarded by TCA. \$33,780
- University Grants • **Filtness A.J.**, Smith S (2015, May) Caffeine and rear-end crashes in urban driving; developing a new test paradigm. Awarded by Queensland University of Technology Institute of Health and Biomedical Innovation. \$8, 000.
- Freeman J., Larue G., **Filtness A.J.**, Delhomme P (2015, May) Good intention but bad judgement? An intelligent transport system study to examine objective and subjective driving performance. Awarded by Queensland University of Technology Institute of Health and Biomedical Innovation. \$7,500.
- Naweed, A, **Filtness, A.J.** (2014, Oct) Human factors in Transport Exchange Program: Fatigue and SPAD risk. Awarded by Health Collaborative Research Network (CRN) Universtiy Exchange Program. \$7,000.
- **Filtness, A. J.** (2014, Aug) Understanding sleepy drivers: towards development of a targeted intervention. Mentors: Smith, S., & Anund, A. Awarded by Queensland University of Technology, Institute of Health and Biomedical Innovation Early Career Research award scheme. \$9,977
- **Filtness, A. J.**, Davey J., & Beanland, V. (2013, August) Proof of concept investigation into time of day effects on attentional blink. Awarded by Queensland University of Technology Institute of Health and Biomedical Innovation. \$7,960.

*Project Manager

Publications and Research Output

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| Refereed Journal Articles | <ol style="list-style-type: none"> 1. Filtness, A.J , Hickman, J, Mabry, J.E, Glenn, , Mao H, Camden, M, Hanowski, R.J (2020). Associations between high caffeine consumption, driving safety indicators, sleep and health behaviours in truck drivers. Safety Science, 126. 2. Pilkington-Cheney, F., Filtness, A.J., Jones, W., Maynard, S., Gibb, A.G.F., Haslam, R. (2020) Biomathematical modelling for fatigue management in construction. Proceedings of the Institution of Civil Engineers – Civil Engineering |
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3. Pilkington-Cheney, F., **Filtness, A.J.**, Haslam C. (2019) Sleepiness, shift work and sleep related road crashes. *Journal of Personal Injury Law*. Issue 4. 231-238.
4. Samuel, O., Walker, G., Salmon, P., **Filtness, A.**, Stevens, N., Mulvihill, C., Payne S & Stanton, N. (2019). Riding the emotional roller-coaster: Using the circumplex model of affect to model motorcycle riders' emotional state-changes at intersections. *Transportation Research Part F: Traffic Psychology and Behaviour*, 66, 139-150.
5. Bates, L., Hawkins, A., **Filtness, A.** & Larue, G. (2019). Simulators, driver education and disadvantaged groups: A scoping review, *Journal of the Australasian College of Road Safety*
6. Rodwell, D., Hawkins, A., Haworth, N., Larue, G., Bates, L., & **Filtness, A.** (2019). What do driver educators and young drivers think about driving simulators? A qualitative draw-and-talk study. *Transportation Research Part F*, 62:282-293.
7. Papadimitriou, E., **Filtness, A.J.**, Theofilatos, A., Ziakopoulos, A., Quigle, C & Yannis, G. (2019). Reviewing and ranking of crash risk factors related to the road infrastructure. *Accident analysis and prevention*, 125, 85-97.
8. Bates, L., Hawkins, A., Rodwell, D., Anderson, L., Watson, B., Filtness, A. J., & Larue, G. S. (2019). The effect of psychosocial factors on perceptions of driver education using the goals for driver education framework. *Transportation research part F: traffic psychology and behaviour*, 66, 151-161.
9. Kunze, A., Summerskill, S. J., Marshall, R., & **Filtness, A. J.** (2018). Automation Transparency: Implications of Uncertainty Communication for Human-Automation Interaction and Interfaces. *Ergonomics*, (just-accepted), 1-22.
10. Salmon, P., Read, G., Beanland, V., Thompson, J., **Filtness, A.**, Hulme, A., McClure R & Johnston, I. (2019) Bad behaviour or societal failure? Perceptions of the factors contributing to drivers' engagement in the fatal five driving behaviours. *Applied Ergonomics*, 74, 162-171
11. Martensen, H., Diependaele, K., Daniels, S., Van den Berghe, W., Papadimitriou, E., Yannis, G., Van Schagen, I., Weijermars, W., Wihnen W., **Filtness, A.**, Talbot, R., Thomas P., Machata, K., Aigner-Breuss, E., Kaiser, S., Hermitte, T., Thomson, R. & Elvik, R (2018). The European road safety decision support system on risks and measures. *Accident Analysis & Prevention* <https://doi.org/10.1016/j.aap.2018.08.005>
12. Rodwell, D., Hawkins, A., Haworth, N., Larue, G., Bates, L., & **Filtness, A.** (2018) A mixed-methods study of driver education informed by the Goals for Driver Education: Do educators and young drivers agree on what was taught?, *Safety Science*, 108, 140-148.
13. Weijermars, W., Bos, N., Schoeters, A., Meunier J., Nuyttens N., Dupont, E., Machata K., Bauer R., Perez K., Martin, J., Johansson H., Filtness, A., Brown., Thomas P (2018) Serious road traffic injuries in Europe, Lessons from the EU research project SafetyCube. *Transportation Research Record*. Online: <https://doi.org/10.1177/0361198118758055>
14. Pérez, K., Weijermars, W., Bos, N., **Filtness, A.J.**, Bauer, R., Johannsen, H., Nuyttens, N., Pascal, L., Thomas, P., Olabarria, M. (2018) Implications of estimating road traffic serious injuries from hospital data. *Accident Analysis and Prevention*
15. Larue, G., **Filtness, A.J.**, Wood, J., Demmel, S., Watling, C., Naweed, A., Rakotonirainy, A (2018) Is it safe to cross? Identification of trains and their approach speed at level crossings. *Safety Science*, 103, 33-42.
16. Weijermars, W., Bos, N., **Filtness, A.J.**, Brown, L., Bauer, R., Dupont, E., Martin, J.L., Perez, K., Thomas, P. (2018). Burden of injury of serious road injuries in six EU countries. *Accident Analysis and Prevention*, 111, 184-192.
17. Beanland, V., Salmon, P., **Filtness, A.J.**, Lenné M.G, Stanton, N. (2017) To stop or not to stop: Contrasting compliant and non-compliant driver behaviour at rural rail level crossings. *Accident Analysis and Prevention*, 108, 209-219.
18. **Filtness A.J.**, Beanland V., Sleep loss and change detection in driving scenes. (2017) *Transportation Research Part F*.
19. Watson, A., Freeman, J., Imberger, K., **Filtness, A.J.**, Wilson, H., Healy, D., Cavallo, A (2017) The effects of licence disqualification on drink-drivers: is it the same for everyone?. *Accident Analysis and Prevention*, 107, 40-47.
20. **Filtness A.J.**, Larue G., Schramm A., Fuller J., Rakotonirainy A., Han C., Cairney P. (2017) Safety implications of co-locating road signs: a driving simulator investigation. *Transportation Research Part F*, 47, 187-198

21. Cox J., Beanland V., **Filtness A.J.** (2017) Risk Safety perception on urban and rural roads: Effects of environmental features, driver age and risk sensitivity. *Traffic Injury Prevention*, 18 (7), 703-710.
22. Beanland V., **Filtness A.J.**, Jeans R. (2017) Change detection in urban and rural driving scenes: Effects of change target and safety relevance on change blindness. *Accident Analysis and Prevention*, 100, 111-122.
23. **Filtness, A. J.**, Armstrong K., Watson A., Simth S.S. (2017) Sleep-related vehicle crashes on low speed roads. *Accident Analysis and Prevention*, 99 Part A, 279-286.
24. **Filtness, A.J.**, Naweed, A. (2017) Causes, consequences and countermeasures to driver sleepiness in the rail industry. *Applied Ergonomics*, 60, 12-21.
25. **Filtness, A. J.**, Armstrong K., Watson A., Simth S.S. (2017) Sleep-related crash characteristics: Implications for applying a fatigue definition to crash reports. *Accident Analysis and Prevention*, 99, Part B, 440-444.
26. Hawkins, A., **Filtness, A.J.** (2017) Driver sleepiness on YouTube: A content analysis. *Accident Analysis and Prevention*, 99, Part B, 459-464.
27. Anund, A., Ihstrom, J., Fors C., Kecklund, G., **Filtness, A.J.** (2016) Factors associated with self-reported driver sleepiness in city bus drivers. *Industrial Health*, 54(4), 337-346.
28. Stefanova, T., Burkardt, J-M., **Filtness, A.J.**, Wullems, C., Rakotonirainy, A., Delhomme, P. (2015) Systems-based approach to investigate unsafe pedestrian behaviour at level crossings. *Accident Analysis and Prevention*, 81, 167-186
29. Cain, S.W., **Filtness A.J.**, Phillips, C., Anderson, C. (2015) Enhanced preference for high fat foods following a simulated night shift. *Scandinavian Journal of Work, Environment and Health*. 41(3), 288-93
30. **Filtness A.J.**, Goode N., Cook R. (2014) Causal factors of hot air ballooning incidents: identification, frequency and potential impact. *Aviation, Space and Environmental Medicine*, 85(12), 1190-1198.
31. **Filtness, A. J.**, Mackenzie, J., Armstrong K. (2014). Longitudinal change in sleep and daytime sleepiness in postpartum women. *PLOS ONE*, 9 (7), e103513.
32. Salmon P.M., Lenné M.G., Walker G. Stanton N.A., **Filtness, A. J.** (2014). Using the Event Analysis of Systemic Teamwork (EAST) to explore conflicts between different road user groups when making right hand turns at urban intersections. *Ergonomics*, 57(11), 1628-1642.
33. **Filtness A.J.**, Anund A., Fors C., Ahlström C., Åkerstedt T., Kecklund G. (2014). Sleep related eye symptoms and their potential for identifying driver sleepiness. *Journal of Sleep Research*, 23(5), 568-575.
34. **Filtness A. J.**, Mitsopoulos-Rubens E., Rudin-Brown M (2014). Police officer in-vehicle discomfort: appointments carriage method and vehicle seat features. *Applied Ergonomics*, 45(4), 1247-1256.
35. Salmon P.M., Lenné M.G., Walker G. Stanton N.A., **Filtness, A. J.** (2014) Exploring schema-driven differences in situation awareness across road users: an on-road study of driver, cyclist and motorcyclist situation awareness. *Ergonomics*, 57(2), 191-209.
36. Armstrong K., **Filtness A. J.**, Watling C., Barraclough P., Haworth N. (2013). Efficacy of proxy definitions for identification of fatigue/sleep-related crashes: an Australian evaluation. *Transportation Research Part F*, 21, 242-252
37. **Filtness A. J.**, Rudin-Brown M., Mulvihill C.M., Lenné M.G. (2013). Impairment of simulated motorcycle riding performance under low dose alcohol. *Accident Analysis and Prevention*, 50, 608-615.
38. Rudin-Brown M., **Filtness A. J.**, Allen A., Mulvihill, C.M. (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. **Filtness A. J.**, Reyner L. A., Horne J. A. (2012). One night's CPAP withdrawal in otherwise compliant OSA patients: marked driving impairment but good awareness of increased sleepiness. *Sleep and Breathing*, 16(3), 865-871.
40. **Filtness A. J.**, Reyner L. A., Horne J. A. (2012). Driver sleepiness - comparisons between young and older men during a monotonous afternoon simulated drive. *Biological Psychology*, 89(3), 580 – 583.
41. Filtness A.J., Reyner L.A., Horne J.A. (2011). Moderate sleep restriction in treated older

male OSA participants: greater impairment during monotonous driving compared with controls. *Sleep Medicine*, 12(9), 838-843.

Under review

- Refereed
Conference
Papers
1. Kunze, A., Summerskill, S., Marshall, R., **Filtness, A.**, (2018,23-25 Sept) Augmented reality displays for communicating uncertainty information in automated driving. 10th International ACM conference on Automotive User Interfaces and Interactive Vehicular Applications (AutoUI). Toronto, Canada.
 2. Martensen, H., Diependaele, K., Van den Berghe W., Papadimitriou E., Yannis, G., Van Schagen I., Weijermars W., Wijne W., Filtness A.J., Thomas, P., Machata K., Aigner O Breuss, Kaiser, S., Hermitte T., Thomson R. (Oct 2017). SafetyCube: Building a Decision Support System on Risks and Measures. Road Safety and Simulation Conference. The Hague, Netherlands.
 3. Talbot R., Waterson P., Spuzlo G., **Filtness A.J.** (2016, June 30 - July1) Fatal and Serious Pedal Cycle and Truck Collisions in the UK: A Systems Approach. Paper submitted to European Conference on Human Centre Design for Intelligent Transport Systems.
 4. Larue, G., **Filtness A.J.**, Wood, J., Demmel, S., Naweed A., Rakotonirainy A. (2016, May) Visual performance at passive level crossing with long sighting distance. Paper presented at the Conference on Railway Excellence (CORE), Melbourne, Australia.
 5. Han C., Cairney P., **Filtness A.J.**, Larue G., Schramm A., Rakotonirainy A. (2016, Jan). Driver's ability to absorb information from co-located signs along motorways. Paper presented at Transportation Research Board 95th Annual Meeting. Washington, USA.
 6. Hawkins A., **Filtness A.J.** (2015, October). In-vehicle filming of driver fatigue on YouTube: vlogs, crashes and bad advice. Paper presented at Australasian Road Safety Conference. Gold Coast, Australia.
 7. Watson A., Imberger K., Cavallo A., Healy D., **Filtness A.J.**, Wilson H., Freeman J., Catchpole J. (2015, October). Understanding drink drivers, their re-offence and crash rates and impact of sanctions in Victoria. Paper presented at Australasian Road Safety Conference. Gold Coast, Australia.
 8. **Filtness A.J.**, Goode N., Cook R. (2015, July 26-30) Incident and near miss reporting culture in recreational hot air ballooning. Paper presented at the Applied Human Factors and Ergonomics conference. Las Vegas, USA.
 9. Salmon P.M., Lenné M., Beanland V., Young K., **Filtness A.J.**, Stanton N, Read, G. (2014, November 12-14). From the Bush to the Burbs: an on-road study of driver situation awareness at rural and urban railway level crossings. Paper presented at the Australasian Road Safety Research, Policing and Education Conference. Melbourne, Australia. (*Citations: 1 Google Scholar*)
 10. Lenné M.G., Salmon P., Walker G. H., **Filtness A. J.** (2013, October 23-25). An On-Road Study of Driver and Rider Situation Awareness at Urban Intersections. Paper presented at the 4th International Conference on Road Safety and Simulation. Rome, Italy.
 11. **Filtness A. J.**, Lenné M. G., Mitsopoulos-Rubens E. (2013, September 4-6). The impact of interface modality on police officers' visual behaviour when using an in-vehicle system. Paper presented at the 3rd International Conference on Driver Distraction and Inattention. Gothenburg, Sweden.
 12. Mitsopoulos-Rubens E., **Filtness A. J.**, Lenné, M.G (2013, August 28-30). Assessment of police subjective workload and preference for using a voice-based interface during simulated driving. Paper presented at the Australasian Road Safety Research, Policing and Education Conference. Brisbane, Australia.
 13. Salmon P.M., Lenné M.G., Walker G., **Filtness A. J.** (2013, August 28-30). Complex cognitive interactions in a badly designed world: investigating the underlying causes of collisions between distinct road users. Paper presented at the Australasian Road Safety Research, Policing and Education Conference. Brisbane, Australia.
 14. Salmon P.M., Lenné M.G., Walker G., **Filtness A. J.** (2013, August 28-30). Investigating the

factors influencing cyclist awareness and behaviour: an on-road study of cyclist situation awareness. Paper presented at the Australasian Road Safety Research, Policing and Education Conference. Brisbane, Australia. *Received the Peter Vulcan Award for best research paper for scientific / technical merit of the work; potential contribution to road safety; and originality of approach.*

15. Mulvihill C.M, Salmon P.M, **Filtness A. J.**, Lenné M., Walker G. H., Cornelissen M., Young, K.L. (2013, August 28-30). Lane filtering and situation awareness in motorcyclists: an on-road proof of concept study. Paper presented at the Australasian Road Safety Research, Policing and Education Conference. Brisbane, Australia.
16. Lenné, M., Salmon P.M., Beanland V., Stanton N.A., **Filtness A. J.** (2013, August 28-30). On-road driving studies to understand why drivers behave as they do at regional rail level crossings. Paper presented at the Australasian Road Safety Research, Policing and Education Conference. Brisbane, Australia.
17. Salmon P. M., Lenné M. G., Walker G., **Filtness A. J.** (2013, July 21-26). Awesome foursome? The compatibility of situation awareness across drivers, riders, cyclists, and pedestrians. 15th International Conference on Human-computer interaction. Las Vegas, USA
18. Lenné M.G., Salmon P., Beanland V., Walker G. H., Underwood G., **Filtness, A. J.** (2013, June 17-20). Interactions between cars and motorcycles testing underlying concepts through integration of on-road and simulator studies. Paper presented at the 7th International Driving Symposium on Human Factors in Driver Assessment, Training and Vehicle Design. New York, USA.
19. **Filtness A. J.**, Rudin-Brown C. M. (2012, October 4-5). Drinking and riding: is subjective workload related to performance? Australasian Road Safety Policing and Education Conference. Wellington, New Zealand.
20. Rudin-Brown C. M., Clark B., Allen A., Mulvihill C., **Filtness A. J.** (2011, November 6-9). Do drinking and riding mix? Effects of legal doses of alcohol on balance ability in experienced motorcyclists. Australasian Road Safety Research, Policing and Education Conference. Perth, Australia.

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| Scholarly Book Chapters | <ol style="list-style-type: none"> 1. Bates L., Filtness, A.J., Watson B (2018) Driver education and licensing programs. Chapter 4 in Safe Mobility: Challenges, methodology and Solutions. Emerald Publishing Limited. 13-36 2. Lenné M. G., Beanland V., Salmon P., Filtness A. J., Stanton, N. (2013). Checking for trains: An on-road study of what drivers actually do at level crossings. In Dadashi N., Scott A., Wilson J.R., Mills, A. (Eds.) Rail Human Factors : Supporting reliability, safety and cost reduction. Taylor & Francis. 53-59. 3. Salmon P. M., Beanland V., Filtness A. J., Lenné M. G., Stanton N. (2013). Waiting for warning: Driver situation awareness at rural rail level crossings. In Anderson M. (Ed.) Contemporary Ergonomics and Human Factors, Taylor & Francis. 403-410. Bates L., Filtness, A.J., Watson B. Driver education and licensing programs. Chapter 4 in Volume 8: Safe Mobility: Background, Challenges and Solutions. |
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| Research Reports
2012 - present | <ol style="list-style-type: none"> 1. Filtness A.J., Anund A., Maynard S., Miller K., Pilkington-Cheney F., Dahlman A., Ihlström J. (2019) Bus Driver Fatigue. Report to Transport for London 2. Filtness A.J., Jones W., Maynard S., Pilkington-Cheney F., Stuttard N., Gibb A., Haslam R. (2019) Fatigue and Sleepiness in Tunnelling Operations: An initial scoping study. Report to Tideway. 3. Filtness AJ, Thomas P, Talbot R, Papadimitriou E, Yannis G, Kaiser S, Machata K, Eenink R, Weijermars W (2018) The Future Decision Support System, Deliverable 8.5 of the H2020 project SafetyCube 4. Papadimitriou E, Yannis G, Ziakopoulos A, Marinos C, Filtness A, Talbot R, Thomas P, Papazikou E, Kaiser S, Machata K, Weijermars W, VanSchagen I, Elvik R, Hermittee T, Leopold F, Tompson R (2018) The European Road Safety Decision Support System. A clearinghouse of road safety risks and measures, Deliverable 8.3 of the H2020 project SafetyCube The European Road Safety Decision Support System. A clearinghouse of road |
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- safety risks and measures, Deliverable 8.3 of the H2020 project SafetyCube
5. Usami D, Papadimitriou E, Ziakopoulos A, Quigley C, Katrakazas C, Durso C, Marinko V, Leskovšek B, Pogačnik-Kokol E, Sgarra V, Ammari A, Noella K, Diamandouros K, Arampidou K, Machata K, Soteropoulos A, Stadlbauer S, **Filtness AJ**, Papazikou E, Botteghi G, Theofilatos A, Schermers G, van Petegem JH, Goldenbeld C, Loenis B, Weijermars W, Rodriguez Palmeiro A, Elvik R, Hesjevoll I, Daniels S, Schoeters A, De Ceunynck T, Focant N, Martensen H, Leblud J (2017) Inventory of assessed infrastructure risk factors and measures, Deliverable 5.4 of the H2020 project SafetyCube
 6. Machata K, Papadimitriou E, Soteropoulos A, Stadlbauer S, Pogačnik-Kokol E, Daniels S, De Ceunynck T, Focant N, Leblud J, Ammari A, Noella K, Usami D, Ziakopoulos A, Botteghi G, Theofilatos A, Diamandouros K, Arampidou K, Goldenbeld C, Loenis B, Schermers G, van Petegem JH, Elvik R, Hesjevoll I, Quigley C, **Filtness AJ** (2017) Identification of safety effects of infrastructure related measures, Deliverable 5.2 of the H2020 project SafetyCube.
 7. Wijnen W, Weijermars W, Vanden Berghe W, Schoeters A, Bauer R, Carnis L, Elvik R, Theofilatos A, Filtness AJ, Reed S, Perez C, Martensen H, Wijnen W, Weijermars W, Vanden Berghe W, Schoeters A, Bauer R, Carnis L, Elvik R, Theofilatos A, **Filtness AJ**, Reed S, Perez C, Martensen H (2017) Crash cost estimates for European countries, Deliverable 3.2 of the H2020 project SafetyCube
 8. Schoeters A, Sijnen W, Carnis L, Weijermars W, Elvik R, Johannsen H, Vanden Berghe W, Filtness AJ, Daniels S, Schoeters A, Sijnen W, Carnis L, Weijermars W, Elvik R, Johannsen H, Vanden Berghe W, **Filtness AJ**, Daniels S (2017) Costs related to serious injuries, Deliverable 7.3 of the H2020 project SafetyCube.
 9. Weijermars W, Bos N, Wijlhuizen GJ, Meunier J-C, Nuytens N, Dupont E, Barnes J, Brown L, Quigley C, Filtness AJ, Perez C, Olabarria M, Duran X, Hours M, Martin J, Bauer R, Johannsen H, Weijermars W, Bos N, Wijlhuizen GJ, Meunier J-C, Nuytens N, Dupont E, Barnes J, Brown L, Quigley C, **Filtness AJ**, Perez C, Olabarria M, Duran X, Hours M, Martin J, Bauer R, Johannsen H (2017) Physical and psychological consequences of serious road traffic injuries, Deliverable 7.2 of the H2020 project SafetyCube.
 10. Thomas, P, **Filtness, A.J.**, Talbot, R, Magrin, A (2016, Nov) Project Report - months 1 - 18, Deliverable 1.2 of the H2020 project SafetyCube. Report to the European Commission.
 11. **Filtness, A.J.**, Papadimitriou, E, Leskovšek, B, Focant, N, Martensen, H, Sgarra, V, Usami, DS, Soteropoulos, A, Stadlbauer, A, Theofilatos, A, Yannis, G, Ziakopoulos, A, Diamandouros, K, Durso, C, Goldenbeld, C, Loenis, B, Schermers, G, van Petegem, J-H, Elvik, R, Hesjevoll, IS, Quigley, C, Papazikou, E (2016, Oct) Identification of infrastructure related risk factors, Deliverable 5.1 of the H2020 project SafetyCube. Report to the European Commission.
 12. **Filtness, AJ**, Thomas, P, Talbot, RK, Quigley, C, Papadimitriou, E, Yannis, G, Theofilatos, A, Aigner-Bruss, E, Kaiser, S, Machata, K, Weijermars, W, Van Schagen, I, Hermitte, T (2016, Oct) The application of systems approach for road safety policy making, Deliverable 8.1 of the H2020 project SafetyCube. Report to the European Commission.
 13. Hermitte, T., Reed, S., **Filtness, A. J.**, Talbot, R., Thomson, R., Jaensch, M., Johannsen, H., Niewöhner, W., Ancona, L., Martin, O., Vazquez de Prada, J., Papadimitriou, E., Phan, V., Saade, J., Cuny, S., Lesire, P., Leopold, F., Labrousse, M (2016, Oct) Identification of Vehicle Related Risk Factors, Deliverable 6.1 of the H2020 project SafetyCube. Report to the European Commission.
 14. Talbot, RK, Aigner-Breuss, E, Kaiser, S, Alfonsi, R, Braun, E, Eichhorn, A, Etienne, V, Gabaude, C, Goldenbeld, C, Hay, M, Jansch, M, Leblud, J, Leskovšek, B, Filtness, AJ, Paire-Ficourt, L, Papadimitriou, E, Pilgerstorfer, M, Rußwurm, K, Sandin, J, Soteropoulos, A, Strand, N, Theofilatos, A, Van Schagen, I, Yannis, G, Ziakopoulos, A (2016, Oct) Identification of Road User Related Risk Factors, Deliverable 4.1 of the H2020 project SafetyCube. Report to the European Commission.
 15. Pérez, K, Weijermars, W, Amoros, E, Bauer, R, Bos, N, Dupont, E, Filtness, A.J., Houwing, S, Johannsen, H, Leskovšek, B, Machata, K, Martin, JL, Nuytens, N, Olabarria, M, Pascal, L, Van den Berghe, W (2016, Sept) Practical guidelines for the registration and monitoring of serious traffic injuries, D7.1 of the H2020 project SafetyCube. Report to the European Commission.
 16. Thomas, P, Filtness, AJ, Talbot, RK, Magrin, A (2016, April) Collaboration with other H2020 projects. D1.1 of the European Commission H2020 project SafetyCube. Report to the

European Commission.

17. Debnath, A., Filtness, A.J., Demmel, S., Haworth, N., Hawkins, A. (2016, Jan) Road user interaction with worksites. Report to Roads and Maritime Services. Brisbane: CARRS-Q.
18. Wishart D., Watson A., Rowland B., Filtness A., Fleiter J., Biggs H., Schramm A. (2015, Dec) Reducing the crash involvement of taxis in Queensland. A situational analysis and analysis of crash and exposure data. Report to the Motor Accident Insurance Commission (MAIC) Brisbane: CARRS-Q.
19. Watson, A., Freeman, J., Filtness, A.J., Wilson, H. (2015, July) Understanding drink-drivers their re-offence and crash rates and the impact of sanctions. Report to VicRoads. Brisbane: CARRS-Q.
20. Larue, G., Filtness A.J., Wood, J., Naweed A., Rakotonirainy A. (2015, July). Testing the limitation of sighting distances in the AS1742 part 7 standard. Report to Australasian Centre for Rail Innovation. Brisbane: CARRS-Q.
21. Blackman, R., Demmel, S., Filtness A.J., Wishart, D., Haworth, N., Rakotonirainy A. (2015, Mar). Literature and product review of instrumentation systems for naturalistic riding studies. Report to Transport for New South Wales. Brisbane: CARRS-Q.
22. Darvell, M., Filtness, A.J., Rowland, B., Smith, S. (2015, Feb). Literature review of taxi driver fatigue. Report to Transport for New South Wales. Brisbane: CARRS-Q.
23. Freeman J., Kiata-Holland E., **Filtness A.J.**, Palk G., Armstrong K., Davey J. (2014, July). A review and comparative analysis of international drug driving policies. Report to Transport for New South Wales. Brisbane: CARRS-Q.
24. **Filtness A.J.**, Schramm A., Larue G., Rakotonirainy A. (2014, June). The impact of co-locating electronic and static signs on driver's response in an emergency situation. Report to Australian Road Research Board (ARRB Group Ltd). Brisbane: CARRS-Q.
25. **Filtness A.J.**, Sheehan M., Armstrong K., Fleiter J., Freeman J. (2014, January). Options for rehabilitation in interlock programs. Project SS1755. Report to Austroads. Brisbane: CARRS-Q.
26. Fleiter J., **Filtness A.J.**, Bates L., Watson B., Williamson A. (2013, Dec). How would changing driver training in the Queensland licensing system affect road safety? Deliverable 4: Evidence-based driver education policy options. Report to the Department of Transport & Main Roads. Brisbane: CARRS-Q.
27. **Filtness A.J.**, Tones M., Bates L., Watson B., Williamson A. (2013, Dec). How would changing driver training in the Queensland licensing system affect road safety? Deliverable 2: Simulators for skill acquisition training and assessment, and their impact on road safety. Report to the Department of Transport & Main Roads. Brisbane: CARRS-Q.
28. Bates L., **Filtness A.J.**, Fleiter J., Watson B., Tones M., Williamson A. (2013, Dec). How would changing driver training in the Queensland licensing system affect road safety? Deliverable 1: Trends in driver education and training. Report to the Department of Transport & Main Roads. Brisbane: CARRS-Q.
29. Mitsopoulos-Rubens E., **Filtness A. J.**, Lenné M. G (2013, April). Injuries to police officers associated with police vehicle travel: Report 5: Simulator study. Report to Police Association of New South Wales. Melbourne: MUARC.
30. Mitsopoulos-Rubens E., **Filtness A. J.**, Rudin-Brown C. M. (2012, Aug). Injuries to police officers associated with police vehicle travel: Report 4: Seat Usability Study. Report to Police Association of New South Wales. Melbourne: MUARC.
31. Young K. L., **Filtness A. J.**, Rudin-Brown C. M. (2013, Feb). Operational pilot of electronic work diaries (EWDs). MUARC Stage 2 Final report HMI guidelines for Electronic Work Diaries. Report to TCA. Melbourne: MUARC.
32. Young K. L., **Filtness A. J.**, Rudin-Brown C. M. (2013, Feb). Operational pilot of electronic work diaries (EWDs). MUARC Stage 2 Final report Survey and Targeted interview Results. Report to TCA. Melbourne: MUARC.
33. Young K. L., Rudin-Brown C. M., **Filtness A. J.** (2012, June). Operational pilot of electronic work diary (EWD) and speed monitoring systems. Stage 2 Interim report: Survey 1 results. Report to TCA. Melbourne: MUARC.
34. **Filtness A. J.**, Young K. L., Rudin-Brown C. M. (2012, May). Operational pilot of electronic work diary (EWD) and speed monitoring systems stage 2 Report 1: Literature review. Report to TCA. Melbourne: MUARC.

35. Rudin-Brown C. M., **Filtiness A. J.**, Keall M. D., Mulvihill C., Clark B., Allen A., Lenné M.G. (2012, March). Investigation of Zero BAC for all Motorcycle riders in Queensland. Final Report. Report to the Queensland Department of Transport & Main Roads. Melbourne: MUARC.
36. **Filtiness A. J.**, Trotter M., Mitsopoulos-Rubens E., Rudin-Brown C. M. (2011, August). Injuries to police officers associated with police vehicle travel: vehicle seat design Report 3: expert survey. Report to Police Association of New South Wales. Melbourne: MUARC.
37. **Filtiness A. J.**, Young K. L., Rudin-Brown C. M. (2011, August). Operational pilot of electronic work diary (EWD) and speed monitoring systems Report 1: targeted literature review. Report to TCA. Melbourne: MUARC.
38. Rudin-Brown C. M., Young K. L., **Filtiness A. J.** (2011, November). Operational pilot of electronic work diaries (EWDs). Interim report, survey results. Report to TCA. Melbourne: MUARC.
39. **Filtiness A. J.**, Rudin-Brown C. M., Allen A., Mulvihill C., Lenné M. G. (2011, November). Investigation of zero BAC for all motorcycle riders in Queensland. Simulator and balance studies report. Report to the Queensland Department of Transport & Main Roads. Melbourne: MUARC.
40. **Filtiness A. J.**, Rudin-Brown C. M., Young K. L. (2011, December). Operational pilot of electronic work diaries (EWDs). Report on telephone interviews with drivers, transport operators and EWD providers. Report to TCA. Melbourne: MUARC.
41. Young K. L., **Filtiness A. J.**, Rudin-Brown C. M. (2011, December). Operational pilot of electronic work diaries (EWDs). Report on enforcement officer focus groups. Report to TCA. Melbourne: MUARC.

Conference
papers
(non-peer
review)

1. Papadimitriou E., Yannis G., Theofilatos A., Thomas P., Filtiness A.J., Martensen H., Machatad K., Elvike R., Shingo Usamif D. (2016, Oct) Development of a road safety Decision Support System for road infrastructure. 1st European Road Infrastructure Congress. Leeds, UK.
2. Thomas P., Filtiness A.J., Yannis G., Papadimitriou E., Theofilatos A., Martensen H., Diependaele K. (2016, June) Developing the european Road Safety Decision Support system. Expert Symposium on Accident Research. Hannover, Germany.

Conference
Presentations (peer
reviewed
abstracts)

1. R Bauer, K Pérez, W Weijermars, N Bos, A Filtiness, H Johannsen, L Pascal, N Nuytens, M Olabarria; Measuring the severity of road injuries in the EU: Robert Bauer, **European Journal of Public Health**, Volume 27, Issue suppl_3, 1 November 2017, cxx187.155, <https://doi.org/10.1093/eurpub/cxx187.155>
2. **Filtiness A.J.**, Talbot R., Thomas P., Aigner-Breuss E., Kaiser S., Martensen H., Papadimitriou E. (2017, Mar). Obstructive sleep apnoea and crash risk: Case study results within the development of the European road safety Decision Support System. Paper to be presented at 10th international conference on Managing Fatigue. San Diego, USA. Paper to be presented at 10th international conference on Managing Fatigue. San Diego, USA.
3. **Filtiness A.J.**, Beanland V., Larue G., Hawkins A (2017, Mar). Sleep loss and change detection: a driving simulator study. Paper to be presented at 10th international conference on Managing Fatigue. San Diego, USA.
4. **Filtiness A.J.**, Beanland, V., Jeans R. (2016, Feb). Sleep-Related impairment at detecting changes in rural driving scenes. Paper to presented at SomnoSafe. Brussels, Belgium.
5. **Filtiness A.J.**, Naweed A (2015, Nov). Fatigue in the rail industry: The driver's perspective. Paper presented at the 4th International Conference on Driver Distraction and Inattention. Sydney, Australia.
6. Beanland V., **Filtiness A.J.**, Jeans R. (2015, Nov). Effects of sleep loss on change detection in urban and rural driving scenes. Paper presented at the 4th International Conference on Driver Distraction and Inattention. Sydney, Australia.
7. **Filtiness A.J.**, Armstrong K., Watson A., Smith S. (2015, March 23-26). Sleep-related crashes in high speed environments. Presented at 9th International Conference on Managing Fatigue. Fremantle, Australia.
8. Freeman J., Kiata-Holland E., **Filtiness A.J.**, Palk G., Armstrong K., Davey J. (2015 March 17-

- 20). Directions for the future: A Comparative analysis of emerging international drug driving policies. Presentation at the 7th Australasian Drug and Alcohol Strategy Conference. Brisbane, Australia.
 9. Lenné, M., Salmon P.M., Beanland V., Stanton N.A., **Filtness A. J.** (2014, Nov) The application of decision-making paradigms to map real-world driver decision-making at rail level crossings. Oral presentation, 11th International Symposium of the Australian Aviation Psychology Association, Melbourne, Australia. **Recipient of Best Paper Award.**
 10. **Filtness A.J.**, Beanland V. (2014, Sept). Sleep restriction impairs vigilance but not temporal attention. Poster presentation at the European Sleep Research Society meeting, Tallinn, Estonia.
 11. **Filtness A.J.**, Armstrong K., Watson A. (2014, Sept) Sleep related crashes in urban, low speed environments. Poster presentation at the European Sleep Research Society meeting, Tallinn, Estonia.
 12. Goode N., Salmon P.M., Lenné M.G., Walker G. **Filtness A. J.** (2014, July). An analysis of cyclist situation awareness during near collisions with motor vehicles: failure of the road or road user? Oral presentation, International Conference of Applied Psychology, Paris, France.
 13. **Filtness A.J.**, Mackenzie J., Armstrong K. (2013, Oct). Hush-a-by mummy: interactions between co-sleeping and maternal sleep disturbance. Poster presentation, Australian Sleep Association Conference, Brisbane, Australia
 14. Lenné M. G., Beanland V., Salmon P. M., **Filtness A. J.**, Stanton N. A., Triggs, T. J. (2012). On-road assessment of driver behaviour at regional highway-rail grade crossings. In Proceedings of the 4th International Conference on Applied Human Factors and Ergonomics. San Francisco, USA.
 15. **Filtness A. J.**, Reyner L. A., Horne J. A. (2011, Oct). One night CPAP withdrawal impairs performance at a driving simulator task faster than sleep restriction to 5 hours with treatment in OSA patients. Poster presentation at the World Sleep Conference, Kyoto, Japan.
 16. **Filtness A. J.**, Reyner L. A., Horne, J. A. (2011, Oct). Prevalence of risk factors for undiagnosed obstructive sleep apnoea is high in truck drivers on UK roads. Poster presentation at the World Sleep Conference, Kyoto, Japan.
 17. **Filtness A. J.**, Reyner, L. A. (2010, Sept). Is the two hour recommended maximum driving time appropriate for both healthy older and treated obstructive sleep apnoea drivers? Oral presentation at the European Sleep Research Society meeting, Lisbon, Portugal.
 18. **Filtness A. J.**, Reyner L. A. (2010, Sept). Continuous Positive Air Pressure treatment for Obstructive Sleep Apnoea patients: effects on sleep quality and quantity as measured by Actigraphy. Poster presentation at the European Sleep Research Society meeting, Lisbon, Portugal.
 19. **Filtness A. J.**, Reyner, L. A. (2010, Sept). Driver sleepiness in younger and older participants. Paper presented at the British Sleep Society annual meeting, Cambridge, UK.
 20. **Filtness A. J.**, Reyner L. A. (2010, June). Countermeasures to driver sleepiness: is the message getting through? Poster presentation at SLEEP meeting of the American Academy of Sleep Medicine and the Sleep Research Society, San Antonio, USA.
 21. **Filtness A. J.**, Reyner, L. A. (2009, Sept). Sleep restriction increases driving risk in treated obstructive sleep apnoea patients. Paper presented at the British Sleep Society annual meeting, Cambridge, UK.
- Under review
- Hawkins, A., Belsham, D., Bates, L., Filtness A.J., Larue G., Rodwell, D., Makin S. (2018). Technology and driver education for Indigenous Australians. Australasian Road Safety Conference.
- Bates, L., Larue, G., Hawkins, A., Filtness, A., Rodwell, D. & Watson, B. (under review). Personality, attitudes, goals for driver education and perceptions of driver education, 2018 Australasian Road Safety Conference, Sydney, 3 – 5 October 2018.

Belsham, D., Bates, L., Hawkins, A., Rodwell, D. & Makin, S. (under review). Working with Indigenous Australians in rural and remote Queensland: Exploring simulator use to increase inclusion in driver education, The British Psychological Society, Division of Counselling Psychology, Newcastle, 6 – 7 July 2018.

- Belsham, D., Bates, L., Hawkins, A., Rodwell, D. & Makin, S. (under review). Yarning with Indigenous Australians about driver licensing in rural and remote Queensland: Can driving simulators assist in situation crime prevention? British Society of Criminology, Birmingham, 3 – 6 July 2018.
- Hawkins, A., Rodwell, D., Bates, L., Larue, G. & Filtness, A. (2017). Developing a technology based driver education intervention: theory and practice, Australasian Road Safety Conference, Perth, 10-12 October.
- Rodwell D., Hawkins A., Haworth, N., Larue, G.S., Bates, L., & Filtness, A. (2018). Do professional driver educators teach what they think they do?, Presentation to the Highway Safety Research Center (HSRC), University of North Carolina, Chapel Hill, 17 January.
- Rodwell, D., Hawkins, A., Haworth, N., Larue, G., Bates, L. & Filtness, A. (2018). Using drawings to probe young driver and driver educator understanding of simulators, Transportation Research Board, Washington, 7-11 January.
- Rodwell, D., Hawkins, A., Bates, L., Larue, G., Haworth, N. & Filtness, A. (2017). Mismatches between trainee and educator perceptions regarding the use and value of driving simulators. 2017 Australasian Road Safety Conference, 10 – 12 October, Perth.
- Rodwell, D., Hawkins, A., Haworth N., Larue, G.S. Bates, L. & Filtness, A. (2017). What messages are driver educators getting across to young drivers?, Presentation to Queensland Department of Transport and Main Roads research seminar series, Brisbane, 6 June
- Bates, L., Larue, G., Hawkins, A., Filtness, A., Rodwell, D. & Watson, B. (under review). Personality, attitudes, goals for driver education and perceptions of driver education, 2018 Australasian Road Safety Conference, Sydney, 3 – 5 October 2018.
- Belsham, D., Bates, L., Hawkins, A., Rodwell, D. & Makin, S. (under review). Working with Indigenous Australians in rural and remote Queensland: Exploring simulator use to increase inclusion in driver education, The British Psychological Society, Division of Counselling Psychology, Newcastle, 6 – 7 July 2018.
- Belsham, D., Bates, L., Hawkins, A., Rodwell, D. & Makin, S. (under review). Yarning with Indigenous Australians about driver licensing in rural and remote Queensland: Can driving simulators assist in situation crime prevention? British Society of Criminology, Birmingham, 3 – 6 July 2018.
- Hawkins, A., Rodwell, D., Bates, L., Larue, G. & Filtness, A. (2017). Developing a technology based driver education intervention: theory and practice, Australasian Road Safety Conference, Perth, 10-12 October.
- Rodwell D., Hawkins A., Haworth, N., Larue, G.S., Bates, L., & Filtness, A. (2018). Do professional driver educators teach what they think they do?, Presentation to the Highway Safety Research Center (HSRC), University of North Carolina, Chapel Hill, 17 January.
- Rodwell, D., Hawkins, A., Haworth, N., Larue, G., Bates, L. & Filtness, A. (2018). Using drawings to probe young driver and driver educator understanding of simulators, Transportation Research Board, Washington, 7-11 January.
- Rodwell, D., Hawkins, A., Bates, L., Larue, G., Haworth, N. & Filtness, A. (2017). Mismatches between trainee and educator perceptions regarding the use and value of driving simulators. 2017 Australasian Road Safety Conference, 10 – 12 October, Perth.
- Rodwell, D., Hawkins, A., Haworth N., Larue, G.S. Bates, L. & Filtness, A. (2017). What messages are driver educators getting across to young drivers?, Presentation to Queensland Department of Transport and Main Roads research seminar series, Brisbane, 6 June
- Salmon, P., Read, G., Beanland, V., Thompson, J., Filtness, A.J., Johnston I (2017). From on High? A systems analysis of the contributory factors that lead to the fatal five behaviours. Australasian Road Safety Conference, 10 – 12 October, Perth.

- Magazine Articles
1. Jones, W., **Filtness, A. J.**, Haslam, R., Gibb, A. G., & Stuttard, N. (2019). Waking up to fatigue. Tunnelling Journal 28, TGS Media Ltd
https://repository.lboro.ac.uk/articles/Waking_up_to_fatigue/9352931
 2. Naweed, A., & **Filtness, A.J.** (2015). [Fatigue & sleepiness: Complex bedfellows](#) [Safety]. Track & Signal, 19(1), 60-61. Circulation 7,000
 3. **Filtness A.J.**, Goode N., Cook R, Eighani G (2015) What causes hot air balloon accidents? Aerostat, Journal of the British Balloon and Airship Club. 46(6), 16-17.
 4. **Filtness A.J.**, Goode N., Cook R, Eighani G (2015) What causes hot air balloon accidents? Ballooning, Journal of the Ballooning Federation of America. Sept/Oct. 2015, 48(4), 30-32.
 5. **Filtness A.J.**, Goode N., Cook R, Eighani G (2015) [Prepare and prevent, don't repair and repent: Causal factors of hot air ballooning incidents](#). Aeronotes, the official journal of the Australian Ballooning Federation 37(2), 8-10. ISSN:1036-8264
 6. **Filtness A.J.**, Goode N., Cook R, Eighani G (2015) When should ballooning incidents be reported? Aeronotes, the official journal of the Australian Ballooning Federation 37(3), 6-7. ISSN:1036-8264

Invited Speaker

- 2019
 - **Filtness, A.J.**, (2019, Nov) Bus driver fatigue TfL Bus Safety Summit
 - **Filtness, A.J.**, (2019, Sept) Bus driver fatigue Confederation of Passenger Transport UK Road Operations Committee meeting.
- 2017
 - Thomas P., **Filtness A.J.** (2017, Feb) SafetyCube project. Department for Transport, UK.
- 2016
 - **Filtness A.J.** (2016, Oct) SafetyCube project. Queensland Road Safety Research Network. Queensland University of Technology, Brisbane, Australia.
- 2015
 - **Filtness A. J.** (2015, July) Understanding Driver Sleepiness: characteristics, causes and cultural acceptance. Transport Research Laboratory, Wokingham, UK.
 - **Filtness A.J.**, Goode N., Cook R. (2015, June) Causal factors of hot air ballooning incidents and incident reporting culture Sports Aviation Safety Forum of the Civil Aviation Safety Authority. Sydney, Australia
 - **Filtness A.J.**, (2015, June) Older vs Young drivers and the effect of sleep restriction. Queensland University of Technology Community of former Staff Alumni Group.
 - **Filtness A. J.** (2015, Feb) Understanding Driver Sleepiness: characteristics, causes and cultural acceptance. Central Queensland University, Appleton Institute, Adelaide, Australia.
- 2013
 - **Filtness A. J.** (2013, Oct) Obstructive Sleep Apnoea and Daytime Driver Sleepiness. Nottingham University Accident Research Unit, UK.
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| ILM Level 5 modules | <ul style="list-style-type: none">• Understanding the Management role to Improve Management Performance. 5-7 Sept. Passed• |