

## Experience

Dr Brian Ashe is Director of Basic Expert (UK) Ltd. He is an internationally acclaimed technical expert in fire safety engineering and building regulations with thirty years' experience in his field. Previously a Director at ABCB in Australia, Brian developed the Performance-based National Construction Code in the areas of fire safety, structural safety, resilience to climate changes and sustainability. He has an extensive international presentation and publication list.

Brian has 12 years' experience working on projects within the UK regulatory regime (selected examples):

- Peer reviewer: Fire Risk Assessment of External Walls (FRAEW) using the PAS 9980 methodology (various buildings).
- Authorising Engineer (Fire) for new private hospital (Cleveland Clinic) in London.
- Associate Engineer, Ascot Racecourse Redevelopment. Manage the development of the Operational Fire Safety Plan to ensure Safety Certification.
- Project Engineer; Nicholas Grimshaw and Partners, UK. Fire strategy and fire engineering for the re-development of Paddington station.

Brian has done projects throughout the world including Europe, Australia, UAE, PR China and Singapore . Brian is a chartered professional engineer who has designed numerous commercial, residential, special purpose buildings and infrastructure. Clients include Eurotunnel, MAGNOX, HSE (UK), European Commission, CERN, MTRC, LTA Singapore, OECD and Adidas.

Brian has advised Australian Government Departments and Officials to the highest level on matters relating to fire safety, building safety and in response to natural disasters and man-made events. Brian's work was instrumental in the Governments response to 9/11, Childers fire, Lacrosse fire, Grenfell fire and the Canberra and Victorian bushfires. Brian has also advised the Governments of Japan, Scotland, New Zealand, Hong Kong, and England on the regulation of building and fire safety.

Today he is the director of Basic Expert (UK) Ltd, a specialist forensic engineering and fire engineering firm; focusing on helping people with non-compliant buildings deal with dangerous cladding, inappropriate Essential Safety Measures (fire alarm and detection systems, fire rated doors and the like), and helping them with building rectifications from design, to permits, to construction and through the legal quagmire of litigation.

## Qualifications

- Doctor of Science, Macquarie University, Sydney, Australia, 2012.
- Master of Science, Fire Safety Engineering, University of Ulster, N Ireland, 1997.
- Bachelor of Science (Hons), Construction Management and Engineering, WIT, Ireland, 1993.

## Professional Memberships

- Chartered Engineer, Engineering Council (CEng), UK (2005-current).
- Society of Fire Protection Engineers (SFPE), USA – Professional Member (100040) (2000-current).
- Institution of Fire Engineers (IFE), UK – Member (00028685) (2005-current).
- Safety and Reliability Society (SaRS), UK – Member (2127/M) (2021-current)
- Society of Risk Analysis (SRA), USA – Member (2008-2020).
- Chartered Institute of Building (CIOB), UK – Member (1997-2015).
- Australia Standard Committee – SB001 Building Sustainability Coordination – Member
- Australian Standard Committee – FSCG Fire Safety Coordination – Member
- Australian Standard Committee – FP005 Fire Statistics – Member
- Bushfire Cooperative Research Centre (CRC), Australia – Stakeholders Council
- Australian CRC for Construction Innovation – Research Committee member
- ISO Standard Committee TC 92 Fire Safety – Member
- Australian Standard Committee FP004 Fire Sprinkler Systems – Member
- Australian Standard Committee FP018 Fire Safety – Member
- Australian Standard Committee FP019 Passive Fire Protection – Member
- Australasian Fire Authorities Council (AFAC) – Built Environment Committee – Member

- NFPA (US) Review committee member – Measurement of the Economic Impact of Fire
- SFPE Advisory Committee member – Guide to Fire Risk Assessment
- SFPE Fire Protection Engineering Magazine – Australasian Editor
- SFPE – Risk Assessment Task Group
- SFPE – Performance Based Design Standard Development
- SFPE – Advisory Panel – Fire Protection Engineering and Sustainability
- ABCB Steering committee – Egress for occupants with a disability – Chair
- EU thematic network for Performance-Based Building – Australian member
- ODPM / BRE steering committee member - Innovative Construction Products
- JAS-ANZ – Accreditation Review Board (member) 2007
- CIB W14 Fire Safety – Member
- Fire Code Reform Centre (FCRC) – Deputy Chair Research Committee
- Warren Centre – Fire Safety Engineering – Steering Committee member
- IFE – EV and Emerging Technologies Special Interest Committee.
- IFE - CEng Initial Reviewer
- Soccer coach – Woden Valley Soccer Club, Canberra, Australia.
- Hockey coach – KV Hockey Club, Belfast, Northern Ireland.

## Community Service

## Employment History

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|--|-----------------------|
| • <b>Basic Expert (UK) Limited, UK</b>       | <b>2023 – Present</b> |
| • buroashe Limited, UK                       | 2020 – 2023           |
| • Australian Building Codes Board, Australia | 2007 – 2023           |
| • Buro Happold Engineering, UK               | 2005 – 2007           |
| • Australian Building Codes Board, Australia | 2000 – 2005           |
| • WS Atkins plc, UK                          | 1997 – 2000           |
| • Albann McKinney Limited, UK                | 1995 – 1997           |
| • Richmond Building Products, UK             | 1994 – 1995           |
| • Fire SERT, University of Ulster, UK        | 1993 – 1994           |
| • Hochtief AG, Germany                       | 1992 – 1993           |

## Selected Publications

[Google scholar profile](#)

Meacham, B, Van Straalen, I. Ashe B. (2021) “Roadmap for incorporating risk as a basis of performance objectives in building regulation”, *Safety Science*, Volume 141, September 2021, 105337.

McAneney, J., Ashe, B., Dimer de Oliveira, F., Haynes, K., Crompton, R., Coates, L. (2014) “Response to Fay Johnston and David Bowman (2013) ‘Bushfire Smoke: An Exemplar of Coupled Human and Natural Systems’”. *Geographical Research*, August 2014, *Letter to Editor* 52(3):337-339 *Institute of Australian Geographers*.

Ashe, B., McAneney, J., Dimer de Oliveira, F. (2012) “Investment in Fire Management: does saving lives cost lives? *Agenda ANU*, 19, 89-103.

Ashe, B.S.W. (2012) “The Real Cost of Fire in Australia”. *Doctor of Philosophy thesis*. Faculty of Science, Macquarie University, Sydney, Australia 30 March 2012.

Ashe, B.S.W., McAneney, J (2012) “Is risk perception driving investment in fire risk management in Australia”, *Journal of Risk and Uncertainty*

Ashe, B.S.W., McAneney, J., Pitman, A. (2011) “Is the allocation of resources towards mitigation and response to fire in Australia optimal”, *Journal of Risk Research* 2011, 1-13, iFirstArticle.

Ashe, B.S.W., McAneney, J., Pitman, A. (2009) “Total Cost of Fire in Australia”, *Journal of Risk Research*, 12.2, 121-136.

Ashe, B.S.W., Kohno, M. (2003) “Bushfires in Australia”, *Journal of Japanese Association for Fire Science and Engineering*, July 2003 (in Japanese).

Ashe, B.S.W., Shields, T.J. (1999) “Analysis of the unannounced evacuation of large retail stores”, *Fire and Materials* 1999.

Ashe, B., Armstrong, A., Wright, C., Nielsen, H. (2016) “Enabling innovation in building sustainability: Australia’s National Construction Code”. *International High-Performance Built Environment Conference – A Sustainable Built Environment Conference 2016 Series (SBE16)*, Sydney, Australia, November 2016.

Ashe, B., de Veer, R., Loveridge, L., Pham, L., De Tarczynski, N., O’Donnell, K., Gaspari, M., Cripps, B., Gleeson, J. (2014) “Increased Use of Performance in Australia” Key note address. *10<sup>th</sup> International Conference on performance-Based Codes and Fire Safety Design*, Society of Fire Protection Engineers (SFPE), Gold Coast, Australia. November 2014.

McAneney, J., Ashe, B., Dimer de Oliveira, F. (2014) “How safe is safe enough” *AFAC 2014 conference*, Wellington, New Zealand September 2014.

Ashe, B. (2013) “An investigation of possible Building Code of Australia adaptation measures for climate change” *CSIRO Climate Adaptation Engineering for cities and coasts symposium* Melbourne, Australia, 30 October 2013.

Wake, S., Ashe, B, De Veer, R. Pham, L (2010) “Framework Models for Adaptation Strategies for Buildings” *International Climate Change Adaptation Conference, June 2010, Gold Coast Australia*.

Ashe, B.S.W., McAneney, J. (2010) “2009 Victorian Bushfires – Royal Commission”, *Private submission to the Royal Commission into the 2009 Victorian bushfires*  
<http://www.riskfrontiers.com/RFbriefings/RFgraphics3/BriefingNote175.pdf>

Ashe, B.S.W., McAneney, J, Pitman, A.J (2008) “El Costo del Fuego en Australia” *Proceedings of the 3<sup>rd</sup> International Symposium on Fire Economics, Planning and Policy, May 2008, Puerto Rico, USA*  
[http://www.fs.fed.us/psw/publications/documents/psw\\_gtr227esp/psw\\_gtr227\\_esp.pdf#page=102](http://www.fs.fed.us/psw/publications/documents/psw_gtr227esp/psw_gtr227_esp.pdf#page=102)

Ashe, B.S.W., McAneney, J, Pitman, A.J (2008) “The Total Cost of Fire in Australia” *Proceedings of the 3<sup>rd</sup> International Symposium on Fire Economics, Planning and Policy, May 2008, Puerto Rico, USA*  
[http://news.efi.int/files/attachments/EFIMED%20Attachments/apr\\_2010/psw\\_gtr227\\_en.pdf](http://news.efi.int/files/attachments/EFIMED%20Attachments/apr_2010/psw_gtr227_en.pdf)

Thomas, I.R., Weinert, D., Ashe, B.S.W. (2005) “Quantified levels of Risk to Life Safety in Deemed-to-Satisfy Apartment Buildings”, pp. 889-900, *8<sup>th</sup> IAFSS Conference, 18-23 September 2005, Beijing, China*.

Ashe, B.S.W., Ozanne-Smith, J. (2004) “The Home – Making it Aged-Proof”, *2004 Symposium – Academy of Technology, Science and Engineering*, Adelaide, Australia.

Ashe, B.S.W., Patterson, M. (2004) “International Collaboration – Development of the International Fire Safety Engineering Guidelines”, *Fire Protection Association Australia, 2004 Conference*, Sydney, Australia.

Ashe, B.S.W., Pham, L. (2003) “Addressing the spectrum from Expected to Extreme events”, *Proceedings of Emergency Management Australia Disasters Conference*, EMA, Canberra, Australia, October 2003 (published on CD).

Ashe, B.S.W., Balch, M. (2001) “Client focused research to aid regulatory reform”, *Proceedings of the International Council for Building Research and Innovation (CIB, World Congress – Wellington, New Zealand, CIB, the Netherlands, April 2001* (published on CD).

Ashe, B.S.W., Shields, T.J. (1999) "Analysis and modeling of the unannounced evacuation of large retail stores", *Proceedings of the 1<sup>st</sup> International Symposium on Human Behaviour in Fire*, University of Ulster, Northern Ireland, August 1998.

## Peer-reviewer and academic advising experience

- Fire and Materials Journal – Reviewer
- Fire Technology Journal – Reviewer
- Journal of Risk Research – Reviewer
- Journal of Risk Analysis – Reviewer
- International Journal of the Political, Economic, Planning, Environmental and Social Aspects of Energy – Reviewer
- Advisory Committee, Victoria University, Australia, CESARE – Member.
- Advisory Committee, School of Built Environment, Western Sydney University, Australia.
- PhD examiner: *Automated Compliance Audit Processes for Building Information Models with an application to performance-based fire engineering design methods*. Auckland University 2015

## Expert Testimony

- *2015 Senate inquiry into domestic smoke alarms – Public Hearing*
- *2014 Royal Commission into the Home Insulation Program – Witness Statement*
- *2009 Victorian Bushfire Royal Commission – Submission.*

### Training:

- *Advanced Professional Award in Expert Witness Evidence (APAEWE) Legal Experience Training (2023).*