



## AUSTRALIA BRANCH COUNCIL NOMINEE MANIFESTO

Please write a short narrative (100-150 words) briefly describing your personal and professional background and what you hope to contribute to the Institution of Fire Engineers Australia Branch.

**(FULL NAME)** Steven Halliday      **Member No.** 75451

### **Personal and Professional History** (outline only that information relevant to IFE election):

I started my professional career at Warringtonfire (then Exova) in 2010 as a graduate in the fire testing department, at the time completing my required mandatory onsite work experience to receive my degree. During this time, I undertook primarily fire resistance testing. In 2014 I took over operations for the laboratory, overseeing the fire resistance department as well as taking on our reaction to fire department. Since this transition I have been either directly involved or supervised fire testing to all requirements of the NCC from fire resistance to group numbers to bushfire as well as a wide variety of international standards (EN, ISO, BS, ASTM, UL, SS, NFPA) across a diverse group of elements (walls, floors/roofs, doors, penetrations, dampers, fans, beams, columns, bunkers, facades). More recently we were the first in the world to conduct large scale loaded timber joint testing to better understand the behaviours of these elements in fire and to better quantify fire extinguishment and modes of failure. In 2018 I was invited to attend FP18 as a testing interest and a non-voting member to provide additional technical perspective and depth, initially for the AS 5113 testing and classification standard as we had been the primary provider of this service in Australia having set up the first rig, but my experience across multiple Australian and international standards and as a representative of one of the largest providers of fire testing services in Australia I have stayed on to further support standards development. In my time at Warringtonfire I have presented at private events as well as conferences and seminars on the various topics of fire testing.

### **What I Hope to Contribute to the IFE Australia Branch:**

While limited in direct exposure to the IFE and fire engineering itself (as I am yet to undertake my masters) I believe my unique experience in fire testing, a very small pool to draw from, even more so in Australia, can help inform and diversify the knowledge base that presently exists locally in the IFE. Given that a lot of fire engineers will have a test report come across their desk in their time on the job, likely one of ours if in Australia, providing context and information on that aspect of the overall picture will, I feel, be beneficial to the industry and through better education, help reduce or eliminate the problems that have arisen from non-conforming and non-complying products and just plain incorrect testing.

The IFE will be focusing on a number of key areas as detailed below in formulating our goals and initiatives for the next 3 years. Please select at least one of the following areas in which you are interested in contributing to the IFE Australia branch.

|   |  |
|---|--|
| <input checked="" type="checkbox"/> <b>Advocacy</b>               | <input checked="" type="checkbox"/> <b>Research / Special Interest</b> |
| <input type="checkbox"/> <b>Membership management and growth</b>  | <input type="checkbox"/> <b>Registration (CEng/IEng/EngTech)</b>       |
| <input checked="" type="checkbox"/> <b>CPD events/initiatives</b> | <input type="checkbox"/> <b>IFE Exams</b>                              |
| <input type="checkbox"/> <b>Website development</b>               | <input type="checkbox"/> <b>Marketing / Communication</b>              |

Please complete the following matrix with detail you feel is relevant to your nomination and election to IFE Australia Branch Council.

|   |   |
|---|---|
| <p>IFE Qualification/s:<br/>(Title/Grade &amp; Year of Attainment)</p> <p>Joined IFE in 2021</p> <ul style="list-style-type: none"> <li>Associate Member - 2021</li> </ul>  | <p>Professional Qualifications:<br/>(Institution, Award &amp; Year)</p> <ul style="list-style-type: none"> <li>University of Queensland – St Lucia, Bachelor of Engineering (Mechanical and Space), 2011</li> </ul>   |
| <p>IFE Contribution (International, National, State/Territory):<br/>(activity undertaken, positions held)</p> <ul style="list-style-type: none"> <li>IFE Australia board member 2022/2023 and 2023/2024</li> <li>Presentation titled “Testing to AS 513:2016” – at the IFE Australia Conference on 20 September 2018</li> <li>AFAC/IFE 2022 Conference</li> </ul> | <p>Professional/Life Experiences:<br/>(relevant projects, roles/portfolios held)</p> <ul style="list-style-type: none"> <li>Involved either directly or indirectly with fire resistance and reaction for to testing for 14 years.</li> <li>Local liaison for our international laboratories, bringing and driving best practice in the fire testing area not just in Australia but in Europe and the middle east.</li> <li>Aided in the development of AS 5113 and was responsible for the design and setup of the first façade facility in Australia.</li> <li>FP18 Standards committee overseeing AS1530.4, AS5113, AS 5637.1, AS 1530.1, etc.</li> <li>Developed bespoke (non-standard) testing regimes to aid the industry and fire safety engineers to simulated onsite conditions or to generate specific data to inform fire engineering reports.</li> </ul> |