



Mr. Abhay Purandare
Adjunct Professor- School of Fire & Safety

Education Qualification:

M.Eng (Fire Prot Engg), University of Maryland, USA
B.Eng (Electronics Engineering), MS University, Vadodara

Research Interest:

Human Response and Behaviour in Fire
Fire Suppression - Characterization & Quantification
Fire Scene Reconstruction

Publications:

1. Co-Author, *Handbook on Industrial Fire Safety* (a book on fundamentals and concepts of industrial fire safety), 1st edition - 2006, reprint - 2011.
2. '*Takshashila Arcade Fire at Surat – A Technical Analysis*', FSAI Journal [India], May-June 2019
3. '*Fire Safety Engineering in the Third World – Challenges to Acceptance & Growth*' Fire Engineers Journal [UK], Nov 2018
4. '*Smart Cities & Smart Firefighting – Ramifications for the Fire Services*' FSAI Journal [India], Special Issue 2018
5. '*Estimating Human Response Parameters for Application in Performance Based Design*' Fire Engineer [India], July-Sept 2016
6. '*The Escalating Fire Hazards of Modern Homes*' Fire Engineer [India], Jan-Mar 2016
7. '*Buncefield & Beyond–Important Lessons for Developing Countries*' Fire Engineer [India], Oct-Dec 2006

Industry Experience:

3 decades of varied experience in the fire safety sector, spanning the areas of fire protection systems, fire safety training & consultancy, firefighting equipment design & development, higher education in Fire engineering, and major project engineering consultancy. He has worked on a number of projects, both industrial and infrastructure, with experience in India and the Middle East.

Courses Taught:

TBC with SoFS

Conference & Seminar:

1. Member of Course delivery team for '*Short course on Building Design for Fire & Life Safety*', conducted at **IIT Gandhinagar, 26-29 June, 2019.**
2. Conducted a short term (1 week) course on '*Fire & Life Safety in Buildings – Fundamentals & Practice*' at the **Summer Winter School (Dec 2017) at CEPT University, Ahmedabad** for Building Design/Building Technology/Architecture Graduates & Post Graduates.
3. Presented paper on '*Exit Design, Calculation and Safe Evacuation – Fact or Fantasy*' at **Seminar on 'Rising Structures – Emerging Life Risk' by IFE (UK) Chennai Branch, June 2018, Chennai**
4. Presented paper on '*A look at Oil storage tank incidents in the recent past - major factors and trends*, **FPAI Technical Conclave on Industrial Safety, 6 Jan 2018, Mumbai**
5. Presented paper on '*Evaluating Visibility and Toxicity Effects of Indoor Fires on Occupants' Escape Ability*, **International Conference on Safety 2017, IIT Gandhinagar, India**
6. Presented paper on '*Estimating Human Response Parameters for Application in Performance Based Egress Design*, **Fire India 2016, Chennai, India**
7. Presented paper on '*Improving & Maintaining Performance of Fixed Fire Protection Systems* - **Fire India 2013, Mumbai, India**

Awards & Honors:

Fellow of the Institution of Fire Engineers [UK], and Institution of Fire Engineers (India)

Professional Member of the Society of Fire Protection Engineers (USA)

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