

## **A Study on Fire Safety Standards through Case Study of Performance Based Design**

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**Abstract :** Super-tall building, large-scale and multi-purpose underground spaces reflect changes in construction trend. As current laws and codes such as Fire Services Act and construction codes are not enough to secure the fire safety of those structures and spaces, it is required to provide systemic supplement for performance-based design to establish or revise laws and technical standards to cope with the changes flexibly. In this study, the performance-based design standards of structures designed in Korea are compared with specification based design standards in an attempt to find the ways to establish fire safety standards for structures in Korea.

**Keywords :** performance based design, specification based design, fire safety design, life safety

**Conference Title :** ICFSSST 2016 : International Conference on Fire Safety Science and Technology

**Conference Location :** London, United Kingdom

**Conference Dates :** September 29-30, 2016