

IWMA position paper on CFD and water mist firefighting

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Abstract

The "IWMA Position Paper on CFD and Water Mist Firefighting" addresses the challenges and limitations of employing Computational Fluid Dynamics (CFD) in modelling water mist fire suppression systems. Initiated by IWMA in response to observed questionable practices, this paper outlines technical difficulties and potentialities when using CFD with water mist firefighting systems. Furthermore, it discusses the interaction between CFD and experimental fire testing as validation tools, explaining best practices for ensuring reliability and acceptability of using CFD.

KEYWORDS: position paper, CFD, validation, fire testing, IWMA