

**ATE  
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Heat Transfer Fluid Mechanics  
and Thermodynamics  
Applied Thermal Engineering  
**VIRTUAL CONFERENCE**  
26-28 July 2021

**CERTIFICATE**  
OF  
**ORAL PRESENTATION**

AWARDED TO

**Hengrui Liu**

**FOR PRESENTING**

**APPLICATION OF A NOVEL STOCHASTIC APPROACH: DROPLETS' INITIAL  
STATUS ON THE EFFICIENCY OF WATER-BASED FIRE SUPPRESSION SYSTEMS**

Hengrui Liu, Anthony Chun Yin Yuen, Guan Heng Yeoh and Ivan Miguel De Cachinho Cordeiro  
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AT

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A handwritten signature in black ink, appearing to be "J.P. Meyer", written in a cursive style.

Prof. J.P. Meyer  
ATE-HEFAT 2021 | Conference Chair  
Head of Mechanical and Aeronautical Engineering,  
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