

**ATE  
HEFAT  
2021**



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

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

AWARDED TO

**Alireza Sarmadian**

**FOR PRESENTING**

**THE EFFECT OF SURFACE-TO-NOZZLE DISTANCE ON THE CRITICAL HEAT FLUX  
OF SPRAY EVAPORATIVE COOLING APPLIED TO VIBRATING SURFACES**

Alireza Sarmadian, Jisjoe Thalackottore Jose, Julian Dunne, Christopher Long and Jean-Pierre Pirault  
(University of Sussex, United Kingdom) and Cedric Rouaud (Ricardo plc, United Kingdom)

AT

**THE 15<sup>th</sup> INTERNATIONAL CONFERENCE ON HEAT TRANSFER, FLUID  
MECHANICS AND THERMODYNAMICS (HEFAT) AND EDITORIAL  
BOARD OF APPLIED THERMAL ENGINEERING (ATE)**

Prof. J.P. Meyer  
ATE-HEFAT 2021 | Conference Chair  
Head of Mechanical and Aeronautical Engineering,  
Faculty of Engineering, Built Environment & IT  
University of Pretoria

**ATE  
HEFAT  
2021**



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

# CERTIFICATE

OF AWARD FOR

**BEST PAPER**

IN

**SPRAYS**

AWARDED TO

**THE EFFECT OF SURFACE-TO-NOZZLE DISTANCE ON THE CRITICAL  
HEAT FLUX OF SPRAY EVAPORATIVE COOLING APPLIED TO  
VIBRATING SURFACES**

Alireza Sarmadian, Jisjoe Thalackottore Jose, Julian Dunne, Christopher Long and  
Jean-Pierre Pirault (University of Sussex, United Kingdom) and Cedric Rouaud  
(Ricardo plc, United Kingdom)

AT

**THE 15<sup>th</sup> INTERNATIONAL CONFERENCE ON HEAT TRANSFER, FLUID  
MECHANICS AND THERMODYNAMICS (HEFAT) AND EDITORIAL  
BOARD OF APPLIED THERMAL ENGINEERING (ATE)**

Prof. J.P. Meyer  
ATE-HEFAT 2021 | Conference Chair  
Head of Mechanical and Aeronautical Engineering,  
Faculty of Engineering, Built Environment & IT  
University of Pretoria