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

# CERTIFICATE

OF AWARD FOR

**BEST PAPER**

IN

**CONVECTION HEAT TRANSFER 3**

AWARDED TO

**THERMAL ENTRANCE LENGTHS FOR SIMULTANEOUSLY  
HYDRODYNAMICALLY AND THERMALLY DEVELOPING FORCED  
AND MIXED CONVECTIVE LAMINAR FLOWS IN HORIZONTAL TUBES**

Marilize Everts and Josua Meyer (University of Pretoria, South Africa)

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

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# CERTIFICATE OF ORAL PRESENTATION

AWARDED TO

**Marilize Everts**

**FOR PRESENTING**

**THERMAL ENTRANCE LENGTHS FOR SIMULTANEOUSLY HYDRODYNAMICALLY  
AND THERMALLY DEVELOPING FORCED AND MIXED CONVECTIVE LAMINAR  
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