

**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

Muhammad Usman

FOR PRESENTING

**INSTABILITY OF NATURAL CONVECTION IN HORIZONTAL ANNULUS UNDER
THE EFFECT OF MAGNETIC FIELD**

Muhammad Usman (Kyungpook National University, South Korea), Geuna Choi, Joonbum Park, Do-gyun
kim and Il Seouk Park

AT

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

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,
Faculty of Engineering, Built Environment & IT
University of Pretoria