

**ATE  
HEFAT  
2021**



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

# CERTIFICATE

OF

## ORAL PRESENTATION

AWARDED TO

**R Nanthini**

**FOR PRESENTING**

**MULTI OBJECTIVE SHAPE OPTIMIZATION OF COOLANT CHANNELS FOR A  
CIRCULAR CYLINDER WITH CONJUGATE HEAT TRANSFER**

R Nanthini, B V S S S Prasad and Y V S S Sanyasiraju (Indian Institute of Technology, India)

AT

**THE 15<sup>th</sup> 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 read "J.P. Meyer", is positioned above the printed name.

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