

**ATE
HEFAT
2021**



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

CERTIFICATE

OF

ORAL PRESENTATION

AWARDED TO

Thiago Antonini Alves

FOR PRESENTING

**EXPERIMENTAL TESTS OF A PROTOTYPE FOR A COMPACT SOLAR COLLECTOR
ASSISTED BY THERMOSYPHONS**

Michel Espirito Santo, Larissa Krambeck, Pedro Leineker Ochoski Machado, Gabriel Nunes Maia Junior,
Paulo Henrique Dias dos Santos and Thiago Antonini Alves (Federal University of Technology - Parana,
Brazil)

AT

**THE 15th 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

SESSION CHAIR

AWARDED TO

Thiago Antonini Alves

FOR CHAIRING

RENEWABLE ENERGY 2

AT

THE 15th 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