

**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

**Roger Kempers**

**FOR PRESENTING**

**HEAT TRANSFER AND PRESSURE DROP CHARACTERISTICS IN A CHANNEL  
WITH GRIP METAL SURFACES**

Omar Khaled, Roger Kempers (York University, Canada) and John Swift (NUCAP Industries Inc,  
Canada)

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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**SATURATED POOL BOILING HEAT TRANSFER ENHANCEMENT USING 3D  
SPHERICAL RE-ENTRANT CAVITIES FABRICATED USING SELECTIVE LASER  
MELTING**

Ahmed Elkholy and Roger Kempers (York University, Canada)

AT

**THE 15<sup>th</sup> INTERNATIONAL CONFERENCE ON HEAT TRANSFER, FLUID  
MECHANICS AND THERMODYNAMICS (HEFAT) AND EDITORIAL  
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