Taguette highlights: Move a Step 2

This study investigates the performance of Turbulent flow

four commonly utilised RANS CFD models, namely Spalart-Allmaras (SA), Realisable k-ε, SST k-ω, and Reynolds Roughness

Stress Model (RSM) in estimating the velocity and temperature profile as well as the skin friction coefficient and Computational fluid dynamics (CFD)

RANS

Nusselt number in smooth and rough channels.

Document: Thermofluid_Paper1 **Tags:** Move a Step 2

An experimental study on a vehicle was carried out to evaluate the electrical potential of a STEG (Solar Ther-Received 1 February 2021

moelectric Generator) made up of 20 thermoelectric modules of 127 torques each and a vortex tube in order Revised 8 March 2021

to supply the accessories of a vehicle hybrid while moving.

Document: Thermofluid_Paper2 **Tags:** Move a Step 2

In this work, ionic liquids (ILs) with chloride and iodide anions are Passivation

used as additives for bulk passivation of perovskite films.

Document: Thermofluid_Paper3 **Tags:** Move a Step 2

This study provides a detailed overview of the most common and Linear Fresnel collector

Solar tower

fundamental CSP technologies: Parabolic Trough Collector (PTC), Linear Fresnel Reflector (LFR), Solar Parabolic Parabolic dish collector

Dishes (SPD), and Solar Power Tower (SPT); and analyzes the trend of change in designs to enhance the thermal-hydraulic and optical performance of the collectors

Document: Thermofluid_Paper4 **Tags:** Move a Step 2

The main focus of our study was on the investigation of the effect of the critical temperature (T_{cr}) of the mixture and the class of the components (wet/wet, wet/dry, and dry/dry) on thermal efficiency (η_{th}) and net-work output (W_{net}).

Document: Thermofluid_Paper5 **Tags:** Move a Step 2

In this study, an Optimization

axisymmetric supersonic ejector was designed, optimized, and evaluated for BOG removal. The baseline geo-Cryogenic temperature

CFD

metric dimensions design of the ejector was obtained via theoretical analysis.

Document: Thermofluid_Paper6 **Tags:** Move a Step 2

The current research paper aims to investigate the Maxwell fluid flow over a flat plate under slip conditions and Maxwell fluid

suction/injection parameters. Radiation, velocity slip conditions, and heat generation are also considered for this Thermal slip

study.

Document: Thermofluid_Paper7 **Tags:** Move a Step 2

The Bejan number and entropy formation of three-Hall effect

dimensional hybrid Al

Cattaneo-Christov heat flux model

$2 O 3 - Cu/ H 2 O$ nanoparticles flowing via a stretching/shrinking bidirectional exponential plate are investigated in this research while taking into account thermal radiation and the Hall Effect.

Document: Thermofluid_Paper8 **Tags:** Move a Step 2

This study investigates the effects of India's economic growth, industrial development, fossil fuel energy output, NARDL

financial development and globalisation on CO2 emissions.

Document: Thermofluid_Paper9 **Tags:** Move a Step 2

Accurate representation of the effective thermal conductivity of these materials is imperative in understanding their heat transfer mechanisms leading to the design and optimisation of system performance.

Document: Thermofluid_Paper10 **Tags:** Move a Step 2