

20/2021



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INSPEM'S ONLINE WEEKLY SEMINAR

DATE : 11 JUNE 2021 (FRIDAY) | TIME : 3.15 PM
MEDIUM : VIDEO CONFERENCE (ZOOM)



Meeting ID: 960 1464 7762

Passcode: 788910



Dr. Shahirah Abu Bakar

Post Doctoral

Laboratory of Computational Sciences and Mathematical
Physics, Insitute for Mathematical Research,
Universiti Putra Malaysia.

INSPEM Class of 2018

**Topic : Properties, Performance and Applications
of Hybrid Nanofluids**

ABSTRACT

Various ways of improving heat transfer rate such as changing boundary conditions, flow geometry or thermal conductivity of the fluid have been proposed, including nanofluid. Nanofluid has been drawing attention in past decade due to its superior heat transfer characteristics than conventional fluid. An extensive combination of two different distinct nanoparticles has led to a novel product of 'hybrid nanofluid' in order to possess nanofluid with more advantageous behaviours. This process gives positive advantages since it carries a high effective thermal conductivity and may improve the heat transfer rate. Hence, the focus of this presentation will be on thermophysical properties and performance of hybrid nanofluids on fluid flow, as well as its application in various industries.



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