

# FACILITIES FOR POSTGRADUATES



## MATHEMATICS SUPPORT CENTRE



### FOR MORE INFO

Phone: 09-4315049

Email Address:  
[psm@ump.edu.my](mailto:psm@ump.edu.my)

WEBSITE:  
[psm.ump.edu.my](http://psm.ump.edu.my)



SCAN ME



اونيورسيتي مليسيا فهغ السلطان عبد الله  
UNIVERSITI MALAYSIA PAHANG  
AL-SULTAN ABDULLAH

# FLUID FLOW MODELLING

**APPLIED &  
INDUSTRIAL  
MATHEMATICS AND  
STATISTICS (AIMS)  
RESEARCH CLUSTER**

**CENTRE FOR  
MATHEMATICAL  
SCIENCES,  
UMPSA**

# LIST OF EXPERTISE

## ABOUT US

This research group accentuates on mathematical modelling of the flow and heat transfer of various types of fluid including Newtonian fluid, non-Newtonian fluid, nanofluid and hybrid nanofluid. We explore the numerical solutions and semi analytical solutions for the respective fluid models. As part of the methodology, we implement some numerical methods or finite-difference scheme such as shooting method, Keller-box method and bvp4c function.

### PROGRAMS OFFERED:

**Master by Research**  
**Master by Mixed-Mode**  
**PhD by Research**

## MATHEMATICAL MODELLING OF BOUNDARY LAYER FLOW AND HEAT TRANSFER



Prof. Dr. Mohd Zuki Salleh  
zuki@ump.edu.my



Dr. Zulhibri Ismail @ Mustofa  
zulhibri@ump.edu.my



Assoc. Prof. Dr. Abdul Rahman  
Mohd Kasim  
rahmanmohd@ump.edu.my



Dr. Rahimah Jusoh @ Awang  
rahimahj@ump.edu.my



Dr. Norhafizah Md Sarif  
norhafizah@ump.edu.my



Dr. Muhammad Khairul Anuar  
Mohamed  
mkhairulanuar@ump.edu.my



Miss Laila Amera Aziz  
laila@ump.edu.my