### POSTGRADUATE FACILITIES



Library



**Computer laboratory** 



Open access workstation



**Mathematics Support Centre (MSC)** 

We provide high-quality education, multidisciplinary research and services in mathematical sciences knowledge to maximize human potential for societal good.

### **CONTACT US**



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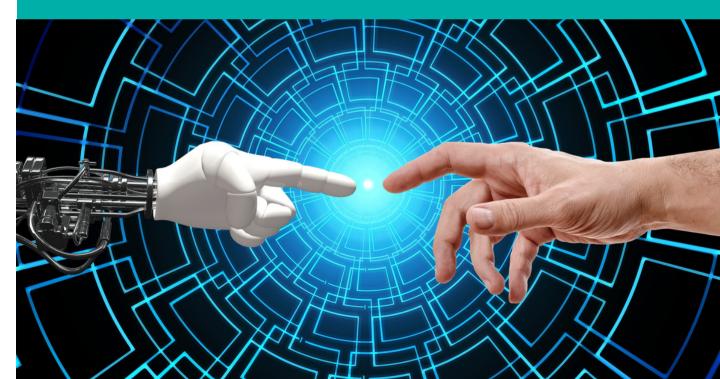


**CENTRE FOR MATHEMATICAL SCIENCES** 

**APPLIED & INDUSTRIAL MATHEMATICS AND STATISTICS (AIMs)** 

# INTELLIGENT **COMPUTING & OPTIMIZATION**

WHERE INNOVATION PREVAILS



# **OUR EXPERTS**



PROFESOR MADYA DR. MOHD SHAM BIN MOHAMAD Expertise: Discrete Mathematics, The Nonabelian Tensor Products, Probability Group Theory



DR. NOR IZZATI BINTI JAINI
Expertise: Applied Calculus, Heuristic,
Optimization, Operational Research,
Multi-Criteria Decision Making
Email: atieump.edu.my



DR. MUHAMMAD AZRIN BIN AHMAD Expertise: e–Learning, Formal Language Theory, Automata Theory, DNA Splicing System

Email: azrineump.edu.my



DR. NORAZIAH BINTI ADZHAR
Expertise: Graph Theoretical Applications,
Routing Problem, Optimal Path Planning,
Heuristics Method
Email: noraziahadzhar@ump.edu.my



DR. SAHIMEL AZWAL BIN SULAIMAN
Expertise: Group Theory (Cyclic Group),
Graph Theory (Compatible Action Graph),
RSA Digital Signature and Rainfall
Modelling



MRS. EZRINDA BINTI MOHD ZAIHIDEE Expertise: Image Processing and Applied Mathematics Email: ezrinda@ump.edu.my



PROFESOR MADYA DR. YUHANI BINTI YUSOF

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DR. ADAM SHARIFF BIN ADLI AMINUDDIN Expertise: Multi-Criteria Decision Making, Computational Intelligence, Performance Measurement, Sustainability and Environmental Applications Email: adamshariffeump.edu.my



DR. NAJIHAH BINTI MOHAMED Expertise: Curves and Surfaces Reconstruction, Metaheuristic Method Email: najihaheump.edu.my



DR ROZIEANA BINTI KHAIRUDDIN
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Metaheuristic, Supply Chain, Vehicle
Routing.
Email: farahanim@ump.edu.my



DR AMIRUL AIZAD BIN AHMAD FUAD Expertise: Semigroup theory, Automata, EEG Signal Analysis Email: amirulaizad@ump.edu.my



## **ABOUT US**

#### INTRODUCTION

Our research group focus on optimization, decision making, heuristic, metaheuristic, goal programming, and intelligent computing to solve any related industrial and engineering problems. Such problems include budget allocation, transportation, design network, network routing, vehicle routing, selection problem, green manufacturing management, sustainable indicator, DNA splicing and location-allocation.

#### **PROGRAMS**

- Master of Science (Industrial Mathematics)
   by Mixed Mode
- Master of Science by Research
- Doctor of Philosophy by Research

### CONSULTATION

- C for Beginners
- Basic C++ for Science & Engineering
- Optimization using TORA

We strive to become the centre of reference for industries in Mathematics