

# Ezrinda Mohd Zaihidee

Mathematics Lecturer

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## Short Summary

Ezrinda Mohd Zaihidee is currently a Lecturer in the Centre for Mathematical Sciences at Universiti Malaysia Pahang (UMP). She graduated with a B. Eng (Hons) in Electrical & Electronics (2002) and M. Sc in Mathematics (2007). Since she joined UMP in 2006, she devoted her time teaching various subjects of mathematics such as Basic Mathematics, Technical Mathematics, Calculus, Engineering Mathematics and Numerical Methods. In addition, she is actively involved in several mathematical modules writing which are Basic Mathematics and Calculus. Her main research interest is on Applied Mathematics, Image Processing

## Personal Information

Date of Birth	November 30, 1980
Place of Birth	Penang, Malaysia
Nationality	Malaysia
Gender	Female
Current Position	Lecturer

## Education and Experience

### Education

2005 – 2007 **Master Degree in Mathematics**, Faculty of Mathematics, Universiti Pendidikan Sultan Idris, Malaysia.

- Thesis title : Pendekatan konsep yang berbeza dalam mengajar tajuk kalkulus untuk pelajar diploma
- Thesis topics : Differentiation, Calculus, Mathematical Modelling
- Advisor : Dr Sazelli Abdul Ghani

2000 – 2002 **Bachelor Degree in Electrical & Electronics Engineering**, *School of Electrical & Electronics Engineering, Universiti Sains Malaysia, Malaysia.*

- Thesis title : Design of Low Cost Portable General Purpose Taste Sensing System (Taste Sensor Array System using Lipid Based Sensor and Pattern Recognition Methods)
- Thesis topics : Pattern Recognition, Neural Network, Principle Component Analysis, Signal Processing
- Advisor : Prof. Dr Ali Yeon Md Shakaff

### Work Experience

2007 – Now **Lecturer**, *Faculty of Industrial Sciences & Technology, Universiti Malaysia Pahang, Malaysia.*

- Subject taught : Technical Mathematics, Engineering Mathematics, Numerical Methods, Foundation Mathematics

2006 – 2007 **Tutor**, *Faculty of Electrical & Electronics Engineering, Universiti Malaysia Pahang, Malaysia.*

- Subject taught : Technical Mathematics
- Undergraduate supervision : USB Mug Warmer, Temperature Sensor Based Home Alert System, Remote Car Sensor, Parking Monitoring System with Security Features, Parking Monitoring System using Proximity Sensor, Traffic Light Controller using VHDL and Intelligent Robot.

2003 – 2006 **Lecturer**, *Perak Matriculation College, Perak, Malaysia.*

- Subject taught : Mathematics

### Internship

Mar–May 2001 **Degree Internship as Trainee Product Engineer**, *Advanced Micro Devices Export Sdn. Bhd., Penang, Malaysia.*

- Goal : learn about computer technologies especially for microprocessors, practice my communication skills in industries area with other people at work and gain more knowledge in Controlled Collapse Chip Connection (C4) and learn how to solve any problems in quality inspection area.

## Professional Membership

- 2008 – Now **Committee Member**
- Institution : Malaysian Mathematical Sciences Society (**PERSAMA**)
- 2007 – Now **Graduate Engineer**
- Institution : Malaysian Board of Engineers

## Scholarship and Grants

### Scholarship

- 2014 – 2017 **Ph.D. Scholarship** – Ministry of Higher Education, Malaysia
- 2000 – 2002 **B. Eng. Scholarship** – Malaysia Public Service (JPA), Malaysia

### Grants

- 2018 – 2019 **Research Grant**
- Title : Thermal-visible Fusion for Image Enhancement
  - Granting Agency : Universiti Malaysia Pahang, Malaysia
- 2017 – 2019 **Research Grant**
- Title : Development of a Stationary Wavelet Transform Thermal-Visible Image Fusion Sensor for Human Detection and Tracking
  - Granting Agency : Universiti Malaysia Pahang, Malaysia
- 2012 – 2014 **Research Grant**
- Title : Mathematical Models for the Convection Boundary Layer Flow Over a Horizontal Circular Cylinder with Newtonian Heating or Under Mixed Thermal Boundary Conditions
  - Granting Agency : Universiti Malaysia Pahang, Malaysia

2011 – 2013 **Research Grant**

- Title : The Development of Computer Aided Teaching & Learning in Additional Mathematics (CATLAM) in Malaysian Secondary Schools
- Granting Agency : Universiti Malaysia Pahang, Malaysia

2009 – 2011 **Research Grant**

- Title : Separating Ntes of Single-row Networks into Two Layers based on Graph Partitioning
- Granting Agency : Universiti Malaysia Pahang, Malaysia

2006 – 2007 **Research Grant**

- Title : Bioprocess Control for Food Analysis
- Granting Agency : Universiti Malaysia Pahang, Malaysia

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## Scientific Interest

Applied Mathematics, Image Processing, Thermal Camera, Visible Camera, Data Fusion Techniques, Tracking System and Mathematical Computation.

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## Languages

Malay    Mother tongue

English    Reading and Comprehension : Upper-Intermediate

                  Writing and Speaking : Upper-Intermediate

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## Qualities

Personal skills Inclined to analyze both theoretical and practical problems, good communication skills, eager to learn and develop new skills, willing to accept constructive criticisms to improve myself, strong ability to blend in new contexts, good skills in teamwork.

Hobby and Sport Play bowling, traveling, swimming.

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## Reference List

Prof Madya Ir. Dr Kamarul Hawari Lecturer, Faculty of Electrical & Electronics Engineering,  
University Malaysia Pahang, Malaysia. kamarulhawari@gmail.com

Prof Dr Mohd Zuki Dean, Centre for Mathematical Sciences, Universiti Malaysia  
Pahang, Malaysia. zukikuj@yahoo.com