

Profile Image

## FARRAH MASYITAH BINTI MOHD SHUIB

PENSYARAH UNIVERSITI DS11

### CONTACT

**Phone:** 8730

**E-mail:**  
farrah@usim.edu.my

**Faculty:** Fakulti  
Kejuruteraan Dan Alam  
Bina

### SUPERVISION

PhD - Completed: 0, Ongoing: 0

Master - Completed: 1,  
Ongoing: 0

### AREAS OF EXPERTISE

Image Processing And Computer Vision

Ic Design

Information, Computer And Communication Technologies

### ACADEMIC QUALIFICATION

Master in Electronic (2010)

Bachelor in Elektrik (intrumentasi) (2007)

Diploma in Elektrik (intrumentasi) (2003)

### RESEARCH

1. NEW POLYNOMIAL FOR LINEAR FEEDBACK SHIFT REGISTERS (LFSRS)-BASED A5/1  
STREAM CIPHERS FOR GSM COMMUNICATIONS

2013

GERAN KPT

COMPLETED

MAIN RESEARCHER

# PUBLICATION

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**1. SURFACE PLASMON RESONANCE BASED PCF SENSOR FOR DOM DETECTION**

2024 IEEE INTERNATIONAL CONFERENCE ON APPLIED ELECTRONICS AND ENGINEERING

2024   PROCEEDING   NON-INDEX   MAIN AUTHOR

**2. SINGLE MODE FIBER BASED SPR SENSOR FOR THE DETECTION OF AIR CONTAMINANTS**

SEMINAR ANTARABANGSA ISLAM DAN SAINS 2024

2024   PROCEEDING   OTHER DATABASE   MAIN AUTHOR

**3. A5/1 STREAM CIPHER IN GSM (EMPIRICAL PERSPECTIVES)**

ADVANCEMENT IN ENGINEERING AND TECHNOLOGY

2024   CHAPTER IN BOOK   MAIN AUTHOR

**4. CRYPTOGRAPHY (STREAM CIPHER) IN HARDWARE IMPLEMENTATION**

TECHNOLOGIES IN SCIENCE AND ENGINEERING : A MULTIDISCIPLINARY APPROACH

2023   CHAPTER IN BOOK   MAIN AUTHOR

**5. ANALYSIS OF MOTION DETECTION OF BREAST TUMOR BASED ON TISSUE ELASTICITY FROM B MODE ULTRASOUND IMAGES USING GRADIENT METHOD OPTICAL FLOW ALGORITHM**

IEEE ARTIFICIAL AND INTELLIGENT MODELLING AND SIMULATION

2013   PROCEEDING   NON-INDEX   MAIN AUTHOR

**6. ANALYSIS OF MOTION DETECTION OF BREAST TUMOR BASED ON TISSUE ELASTICITY FROM B MODE ULTRASOUND IMAGES USING GRADIENT METHOD OPTICAL FLOW ALGORITHM**

IEEE ARTIFICIAL AND INTELLIGENT MODELLING AND SIMULATION

2013   PROCEEDING   NON-INDEX   MAIN AUTHOR

**7. ANALYSIS OF MOTION DETECTION OF BREAST TUMOR BASED ON TISSUE ELASTICITY FROM B MODE ULTRASOUND IMAGES USING GRADIENT METHOD OPTICAL FLOW ALGORITHM**

IEEE ARTIFICIAL AND INTELLIGENT MODELLING AND SIMULATION

2013   PROCEEDING   NON-INDEX   MAIN AUTHOR

# CONSULTATION

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## 1. PANEL PENILAI THESIS

USIM

2017

UNIVERSITY

## 2. PROPOSAL DEFEND FYP EE

USIM

2017

UNIVERSITY

## 3. DESIGN AND HARDWARE IMPLEMENTATION OF MIDIFIED A5/1 STREAM CIPHER

USIM

2017

UNIVERSITY

## 4. PANEL PENILAI LATIHAN INDUSTRI EE

USIM

2017

UNIVERSITY

## 5. JURI YOUNG INNOVATION 2016

PIJIM USIM & PERMATA

2016

UNIVERSITY

# AWARDS/RECOGNITION

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## 1. PHD POST FOR IOT SYSTEM FOR DIALYSIS MACHINE IMEN UKM

2017

NATIONAL

## 2. SILVER MEDAL BOLA TAMPAR SUFAST 2016

2016

UNIVERSITY

## 3. ANUGERAH INOVASI IINOVA 2013, ANALYSIS OF MOTION DETECTION OF BREAST TUMOR USING OPTICAL FLOW ALGORITHM USING B MODE ULTRASOUND IMAGES (SILVER MEDAL)

2013

INTERNATIONAL

## 4. SILVER MEDAL BOLA TAMPAR SUFAST 2013

2013

UNIVERSITY

## 5. MOTION DETECTION OF BREAST TUMORS BASED ON TISSUE ELASTICITY FROM B MODE ULTRASOUND IMAGES USING GRA

4TH EXPOSITION ON ISLAMIC INNOVATION 2013 (I-INOVA"13)

2013

KEBANGSAAN

BRONZE