CYBERJAYA
MELAKA
NUSAJAYA

Malaysia’s First Private University
Areas of Technology Expertise

**Engineering**
- Signal Processing
- Telecommunication
- Photonics
- Robotics
- Biometric Surveillance
- Radar Cryptography
- Advanced Materials
- Mechanical Energy

**I.T**
- Software/Apps Development
- Augmented Reality
- Image/Video Recognition
- Smart Cities
- Artificial Intelligence
- Cloud Computing
- Big Data
- IoT
- Data Analytics

**Creative**
- Media Arts
- e-Learning
- Games
- Animation
- Film
- Interactive Multimedia
- Knowledge Management

**Business & Law**
- e-Commerce
- Consumer Behavior
- Entrepreneurship
- Disaster Management
- Cyber Law
- Law & Technology
Digital Futures - the 8 Research Institutes

**Digital Cities**
Innovations that support development of smart, green and sustainable cities.

**Digital Enterprise**
Innovations that support smart and intelligent business operations, management, and productions.

**Digital Education**
Innovations that improve the effectiveness and experience of teaching and learning.

**Digital Lifestyle**
Innovations that increase convenience and enhance experience of individual’s day to day activities.
Digital Futures - the 8 Research Institutes

1. **Digital Societies**
   - Innovations that support development of digital society.

2. **Digital Security**
   - Innovations that support safe and secure digital future.

3. **Digital Expression**
   - Innovations that provide creative contents enhancing the effectiveness of expression.

4. **Digital Connectivity**
   - Innovations that enhance effectiveness of connectivity among places and people across the globe and beyond.
Research Capabilities (related to rubber)

Systems modelling, prediction, process control
- Dr. Tan Ai Hui (htai@mmu.edu.my), Dr. Cham Chin Leei (clcham@mmu.edu.my)

Predictive analytics, equipment failure detection, machine learning, computer vision, big data analytics
- Dr. Guo Xiaoning (guo.xiaoning@mmu.edu.my), Dr. Tan Yi Fei (yftan@mmu.edu.my)

Fiber optic sensors (e.g. temperature, strain, vibration, chemical, pressure, etc.)
- Prof. Dr. Mohd Ridzuan Mokhtar (ridz@mmu.edu.my)

Image processing, computer vision
- Dr. Mohammad Faizal (faizal1@mmu.edu.my)
Research Capabilities (related to rubber)

Investigation and improvement of materials properties such as heat conductivity, heat stabilization, dielectric strength
- Dr. Chan Kah Yoong (kychan@mmu.edu.my)

Materials science, coating and processing
- Dr. Yap Seong Shan (yap.seong.shan@mmu.edu.my)
FACILITIES

Probe Station in Clean Room
FACILITIES

Pulsed Laser Deposition
FACILITIES

Optical Fiber Tapering System
FACILITIES

Half Effect Measurement System
PIC Contact Details

Prof. Ir. Dr. Hairul Azhar Abdul Rashid
Vice President R&I
+603 - 8312 5931
hairul@mmu.edu.my

Dr. Olivia Tan Swee Leng
Director, Collaboration & Innovation Centre, R&I Division
+603 - 8312 5362
oliviatan@mmu.edu.my