

# **Program Kejuruteraan Mekanikal**

## ***Programme of Mechanical Engineering***

### **Profesor/Professors**

#### **Ir. Dr. Shahrir Abdullah**

SmKej (UKMalaysia), MSc, Ph.D (Wales), MIEM, PEng  
Dinamik Bendalir Komputer, Sistem Termobendalir  
(*Computational Fluid Dynamics, Thermofuid System*)

#### **Dr. Che Hassan Che Haron**

BSc (Bridgeport), MSc (Pittsburgh), Ph.D (Coventry)  
Teknologi Pemesinan (*Machining Technology*)

#### **Dr. Norhamidi Muhamad**

BSc (Bridgeport), MSc, Ph.D(Wales), MAPMI  
Teknologi Pemprosesan Bahan (*Material Processing Technology*)

#### **Ir. Dr. Ahmad Kamal Ari f n Mohd Ihsan**

SmKej(UKMalaysia), Ph.D (Wales), MIEM, PEng, FIMM,  
Mekanik Komputeran (*Computational Mechanics*)

#### **Ir. Dr. Shahrum Abdullah**

SmKej (UKMalaysia), MSc (Loughborough), Ph.D (She f eld), MIEM, PEng  
Analisis Kegagalan Lesu & Rekabentuk Kejuruteraan Mekanik  
(*Fatigue Failure Analysis & Mechanical Engineering Design*)

#### **Dr. Andanastuti Muchtar**

BSc (Leeds), Ph.D (NUSingapore)  
Seramik Termaju, Pemprosesan Seramik, Sel Fuel Oksida Pepejal  
(*Advanced Ceramics, Processing of Ceramics, Solid Oxide Fuel Cells*)

#### **Dr. Mohd. Zaidi Omar**

BEng (Imperial College), ACGI, MSc (Loughbrorough), Ph.D (She f eld)  
Metalurgi & Pemprosesan Bahan (*Metallurgy & Materials Processing*)

#### **Ir. Dr. Jaharah A. Ghani**

BEng (Leeds Metro), MSc (Warwick), Ph.D (UMalaya), MIEM, PEng  
Teknologi Pemesinan, Pemantauan Keadaan Mata, Fabrikasi Struktur Cawak menggunakan Proses Pemesinan, Kaedah Taguchi.  
(*Machining Technology, Cutting Tool Condition Monitoring, Fabrication of Dimple Structure using Machining Process, Taguchi Method*)

**Dr. Dzuraidah Abd. Wahab**

SmKej (UKMalaysia), MSc, Ph.D (Manchester Metro)  
Kejuruteraan Setemu, Kejuruteraan Rekabentuk, Kejuruteraan Kitar Hayat  
(*Concurrent Engineering, Engineering Design, Engineering Life Cycle*)

**Dr. T. Prakash G. Thamburaja**

BEng (Imperial College), SM., Ph.D (MIT)  
Teori dan Komputer Mekanik Pejal, Keplastikan, Mekanik Bahan  
(*Theoretical and Computational solid Mechanics, Plasticity, Mechanics of Materials*)

**Ir. Dr. Abu Bakar Sulong**

BEng (Gifu), DEng (Sejong), MIEM, PEng  
Polimer komposit Termaju , Pengacuan Suntikan Serbuk  
(*Advanced Polymer Composite, Powder Injection Moulding*)

**Dr. Mariyam Jameelah Ghazali**

SmKej, MSc (USMalaysia), Ph.D (Sheffield)  
Haus Bahan, Kejuruteraan Permukaan (*Wear of Materials, Surface Engineering*)

**Ir. Dr. Rozli Zulkifli**

BEng (Hons)., MSc (Liverpool), Ph. D (UKMalaysia), MIEM, PEng  
Bahan Komposit, Komposit Gentic Asli, Pemindahan Haba  
(*Composite Materials, Natural Fibre Composites, Heat Transfer*)

**Dr. Mohd Nizam Ab Rahman**

BSc, MTech Mgmt (UTMalaysia), Ph.D(Nottingham), PgDip (Cambridge)  
Pembuatan Lean dan Pengurusan Rantaian Bekalan  
(*Lean Manufacturing, Quality and Supply Chain Management*)

**Profesor Madya/Associate Professors**

**Dr. Nordin Jamaludin**

BSc (Texas El-Paso), MSc (UMIST), Ph.D (Cranfield)  
Pemantauan Keadaan Mesin & Teknologi Pancaran Akustik  
(*Machine Condition Monitoring and Acoustic Emission Technology*)

**Dr. Mohd Zaki Nuawi**

BSc. MSc (INSSET France), Ph.D (UKMalaysia)  
Akustik dan Getaran, Analysis Isyarat, Pemantauan Berasaskan Keadaan dan Pemantauan Keadaan Pemesinan (*Acoustic and Vibration, Signal Analysis, Condition-Based Monitoring and Machining Condition Monitoring*)

**Dr. Zainuddin Sajuri**

BEng, MEng, Ph.D (Nagaoka)

Sifat Lesu dan Analisis Kegagalan Bahan

*(Fatigue Properties and Failure Analysis of Materials)*

**Ir. Dr. Rizauddin Ramli**

BEng (Kyoto), MEng, Ph.D (Gifu), MIEM, PEng

Robotik dan Sistem Pembuatan Pintar *(Robotics and Intelligent Manufacturing Systems)*

**Dr. Sallehuddin Mohamed Haris**

BEng (Leeds), MSc (London), Ph.D (Southampton)

Mekatronik dan Sistem Kawalan *(Mechatronics and Control Systems)*

**Dr. Wan Mohd Faizal Wan Mahmood**

BSc (Columbia), MSc (Kobe), Ph.D (Nottingham)

Enjin Pembakaran Dalam, Tenaga, Bahan Api

*(Internal Combustion Engine, Energy, Alternative Fuels)*

**Dr. Mohamad Hanif Md Saad**

SmKej(UKMalaysia), MSc (NUSingapore), Ph.D (UKMalaysia)

Mekatronik & Kawalan Pintar *(Mechatronic & Intelligent Control)*

**Felo Kanan/Senior Fellow**

**Ir. Dr. Zambri Harun**

BSc.(RPI New York), MEng.(RPI New York), Ph.D (Melbourne), MIEM, PEng

Mekanik Bendalir *(Fluid Mechanics)*

**Pensyarah/Lecturers**

**Dr. Nizaroyani Saibani**

BEng (Salford), Ph.D (Nottingham)

Logistik Berbalik dan Pengurusan Rantaian Bekalan

*(Reverse Logistics and Supply Chain Management)*

**Dr. Mohammad Rasidi Mohammad Rasani**

BEng (UNSW), Msc (UKMalaysia), Ph.D (RMIT Australia)

Kejuruteraan Mekanikal *(Mechanical Engineering)*

**Dr. Mohd Radzi Abu Mansor**

BEng, MEng (Takushoku), Ph.D (Kyoto)

Tenaga dan Pembakaran *(Energy and Combustion)*

**Dr. Hawa Hishamuddin**

BSc (Purdue), Ph.D (UNSW)

Pengoptimuman dan Pengurusan Gangguan Dalam Rantaian Bekalan  
(*Supply Chain Optimization and Disruption Management*)

**Dr. Wan Aizon Wan Ghopa**

BEng, MEng (Saga Japan), Ph.D (Iwate)

Mesin Turbo dan Teknologi Penyejukan Turbin  
(*Turbomachinery and Turbine Cooling Technology*)

**Dr. Wan Fathul Hakim W. Zamri**

SmKej (UKMalaysia), Ph.D (Wollongong)

Tribologi Komputeran, Haus Bahan  
(*Computational Tribology, Wear of Materials*)

**Dr. Intan Fadhlina Mohamed**

SmKej (USMalaysia), MSc (UKMalaysia), Ph.D (Kyushu Univ. Fukuoda)

Ubah Bentuk Plastik Teruk, Bahan Berstruktur Nano, Pengerasan Mendakan  
(*Several Plastic Deformation, Nanostructured Materials, Precipitation Hardening*)

**Dr. Abdul Hadi Azman**

BEng (Besancon France), MEng, Ph.D (Grenoble)

Rekabentuk Kejuruteraan Mekanik (*Mechanical Engineering Design*)

**Dr. Salvinder Singh Karam Singh**

BSc (UTMalaysia), MEng (UKMalaysia), Ph.D (UKMalaysia)

Kejuruteraan Kebolehtahanan dalam Penilaian Hayat Lesu, Kejuruteraan *Keboleharapan*  
(*Fatigue Reliability Life Cycle Assessment, Reliability Engineering*)

**Dr. Nor Kamaliana Khamis**

SMKej (UKMalaysia), MEng (UPMalaysia), PhD & Dr.-Ing (UKMalaysia & UDE, Germany)

Ergonomik Pembuatan (*Manufacturing Ergonomics*)

**Dr. Nashrah Hani Jamadon**

BEng, MEng (Kyoto Inst of Technology), Ph.D (UMalaya)

Teknologi dan Bahan Penyambungan Termaju, Integriti Struktur dan Permukaan  
(*Advanced Joining Materials and Technology, Interfaces and Structural Integrity*)

**Dr. Farhana Mohd Foudzi**

BEng (UniMAP, Malaysia), MSc (UKMalaysia), DEng (Nagaoka Univ. of Tech.)

Pengacuan Suntikan Serbuk, Pembuatan Aditif, Perambatan Gelombang Ultrabunyi,  
(*Powder Injection Molding, Additive Manufacturing, Ultrasonic Wave Propagation*)

**Dr. Mohd Anas Mohd Sabri**

SmKej, MEng(UKMalaysia), Ph.D  
Tenaga Keterbaharuan  
(*Renewable Energy*)

**Dr. Mohd Faizal Mat Tahir**

SmKej, MEng(UKMalaysia), Ph.D (Loughborough)  
Korelasi Imej Digital, Akustik dan Getaran  
(*Digital Image Correlation, Acoustics and Vibration*)

**Dr. Meor Iqram Meor Ahmad**

BEng (UKMalaysia), Ph.D (Sheffield)  
(Komputasi Patah/ Kerosakan Mekanik, Rayapan )  
*Computational Fracture/ Damage Mechanics, Creep*

**Dr. Nabilah Afqah Mohd Radzuan**

B.Eng, M.Eng, Ph.D (UKMalaysia)  
Bahan Komposit Termaju, Sel Fuel Polimer Elektrolit Membran  
(*Advanced Composite Materials, Polymer Electrolyte Membrane Fuel Cells*)

**En. Azli Arifn**

SmKej (UKMalaysia), MSc (Manchester)  
Rekabentuk Kejuruteraan Mekanik (*Mechanical Engineering Design*)

**En. Zulkhairi Zainol Abidin**

BEng, MEng (IUP Universite Franche-Compte)  
Pengurusan dan Kecekapan Penggunaan Tenaga (*Management and Energy Efficiency*)

**Pn. Zaliha Wahid**

SmKej, MSc (UKMalaysia)  
Kejuruteraan Pembuatan (*Manufacturing Engineering*)