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REDEFINING ENGINEERING

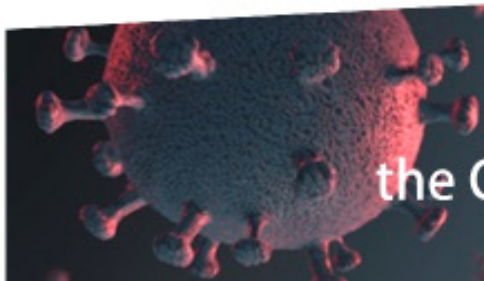


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Special topic:
**E-Learning, COVID-19,
the Challenges and Way Forward**



welcome

COLLEGE OF ENGINEERING

BULLETIN TEAM

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Let's Meet!

Prof Dr Rizalman Mamat

He is a Mechanical Engineer by profession, with special interests in Combustion, Nano Fluid, Heat Transfer, Renewable Energy and Computational Fluid Dynamics



Reporter: Tell us about your academic background and research interest?

Prof RM: I graduated from Universiti Teknologi Malaysia (UTM) for my bachelor and master's degree in Mechanical Engineering. I pursued my PhD degree in fuel and energy at the University of Birmingham, United Kingdom. My research interests include alternative energy, heat transfer, combustion, internal combustion engines, and computational fluid dynamics. I have supervised more than 20 postgraduate students in the field of renewable energy and heat transfer. We have completed more than 20 research projects and involved with many consultation jobs. I have been invited as visiting professor in various universities including: Lund University, Sweden, Karlsruhe University of Applied Science Germany, Southern Queensland University, Australia, Technical University of Eindhoven, Netherland, Ningxia University China, Prist University

India, Abulyatama Universiti Indonesia, Malahayati University Indonesia, Universitas Lampung, Indonesia, Iskandar Muda University Indonesia, Serambi Mekah University Indonesia, and Gajah Putih University Indonesia.

Reporter: What do you wish the College of Engineering to be in the next 5 years?

Prof RM : I wish the college will be the best in world offering highly revelant Engineering programmes.

Reporter : What is your hobby and how do you manage your spare time?

Prof RM : My hobby is reading and travelling.

Let's Meet!

Prof Dr Abdurahman Hamid Nour

He is a Petroleum Engineer by profession, with special interests in Oil and Gas Technology, Waste Water Treatment, Natural Products Stabilisation and Demulsification of Crude oil. He was former Deputy Dean of the Faculty of Chemical and Natural Resources Engineering



Prof Abdurahman with his research team



@Laboratory



Research product

Reporter: Tell us about your academic and research interest?

Prof AH: I did my BSc in Petroleum Engineering at Alfateh University, Libya in 1994. I completed my first MSc study in Chemical and Environmental Engineering from Universiti Putra Malaysia (UPM), 2000 and the second one in Petroleum Engineering, Oil and Gas Technology; Aalborg University, Denmark, 2003. My PhD was from Universiti Teknologi Malaysia (UTM), 2006 in Petroleum Engineering Department. My research interest includes; Oil and Gas Technology, Membrane Separation Processes; and Ultrasonic-Assisted Processes. Currently, I have 8 PhD and 1 MSc students and 3 more PhD students are coming next semester (they have already received their offer letters from Institute of Postgraduate Studies). I usually teach courses like Fluid Mechanics as well as Combustion and Gas Utilisation.

Reporter: What is the status of your Industrial collaboration research projects?

"Currently I have an industrial collaboration and awarded RM 85,000 from Eastern Unity Technology. EUTUMP has collaboration with PlatTCOM Ventures to set a suitable selling price. Both IPs are related to "the emulsification of heavy crude using a novel sunflower oil based surfactant for pipeline transportation" which are estimated to be worth of more than RM 1 Million for outright sales"

Reporter: What is your hobby and how do you manage your spare time?

Prof AH: By far, football is my favourite sport, I played for UMP first team for 2 years. Besides that, I enjoy playing Futsal and Volley ball with UMP colleagues and Sudanese friends. I am a family oriented person in which I enjoyed having time with my kids in addition to the usual reading activities.