

ABOUT INSTRUCTOR



Professor of Electronics at the Universiti Teknologi Malaysia

Prof Abdul Manaf completed his higher education at various institutions in Japan. He received a certificate in Japanese language from the Kansai International Student Institute, Osaka in 1992, a diploma in electronic control engineering from the Kumamoto National College of Technology, Kumamoto in 1995, a bachelor and master degrees in electronics from the Nagaoka University of Technology, Niigata in 1997 and 1999, respectively and finally, a doctorate degree in electronics and information engineering from the Hokkaido University, Hokkaido in 2006.

He is a professional engineer, P.Eng. (discipline: Electronics) certified by the Board of Engineers, Malaysia and a chartered engineer, C.Eng. certified by the Institute of Engineering and Technology (IET) UK. His lectures for undergraduate and post graduate program are related to semiconductor physics and devices, micro-nanofabrication, electronic devices, electrical and electronic circuits, and digital electronics. His research topics cover the areas of material sciences, micro-nanostructure formation and device engineering.

Since 2006, he has carried more than 40 research works funded by the Malaysian Ministry of Education (MOE), the Malaysian Ministry of Science, Technology and Innovations (MOSTI) and the Universiti Teknologi Malaysia with a total amount of more than RM 4.6 million. He has authored and co-authored more than 110 research papers in refereed journals and proceedings. He has 4 granted patents.

He was a founder of the International Conference on Enabling Sciences and Nanotechnology (ESciNano) and Malaysia 2D Materials and Carbon Nanotube Workshop which have successfully served as the platform for the researchers not only from Malaysia but also from overseas to present and exchange their recent results and to create networking. Recently, he has successfully developed the research laboratories equipped with a state-of-the-art micro and nanofabrication facility. The laboratories are equipped with the electron beam lithography, photolithography, electron beam evaporator, RF sputtering, plasma enhanced chemical vapor deposition, reactive ion etching, Raman spectroscopy, vector network analyzer, and so forth.

In December 8, 2014, he was awarded a recognition of *2014 Top Research Scientist Malaysia* by the Academy of Sciences Malaysia.