



DR. AHMAD NAZRI BIN DAGANG

My research interest revolves around the application of plasma especially in lighting and antenna. I am working on the development of the environmentally-friendly and energy saving lighting, particularly on mercury-free and solid state lighting. My study is mainly on low pressure plasma produced using high voltage and high frequency, as well as on plasma diagnostics. Using this type of plasma, I also work on sterilizing and deactivation of micro-organism using ultra-violet radiation. Besides that, I am also working on designing plasma antenna, an antenna using plasma element as an alternative to metal element. As an extension to plasma antenna studies, I am also interested in photonic crystal and metamaterial.



Senior Lecturer
(DS51)



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Expertise Area

Main Field : Electrical Engineering
Sub Field : Electrical Discharge, Plasma Physics
Specialization : Plasma Application, Lighting

Professional Membership

- Board of Engineers Malaysia, Graduate Engineer, 2012 – Present
- Institute of Electrical and Electronics Engineers, 2015 – Present

Networking & Collaboration

- Faculty of Electrical Engineering, Universiti Teknologi Mara, Shah Alam, Malaysia
- Faculty of Electrical and Electronic Engineering, Ehime University, Japan
- Laboratory on Plasma and Conversion of Energy, University of Toulouse, France

Publication Reference

- Google Scholar Citations - Ahmad Nazri Dagang
https://www.researchgate.net/profile/An_Dagang/publications
Scopus ID - 24469939200