



AHMAD NAZRI DAGANG

Associate Professor · Lecturer

My background is in electrical and electronic engineering. My research focuses on high frequency/high voltage electrical discharges and plasma applications. This includes plasma diagnostics, lighting, communication antennas, surface treatment (solar cells), sterilization, and space plasma/weather.

**BEng, MEng, DrEng
(Ehime, Japan)**

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Experience



Engineer (2000-02)
Shah Alam, Malaysia



Researcher (2007-08)
Matsuyama, Japan



Researcher (2008-10)
Toulouse, France



Researcher (2010-11)
Toulouse, France



**2011~
Present**

Supervision

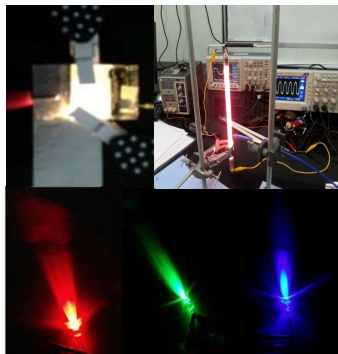
	On-going		Completed	
	Main SV	Co-SV	Main SV	Co-SV
MSc	0	1	3	1
PhD	3	0	3	1

No. of Grant

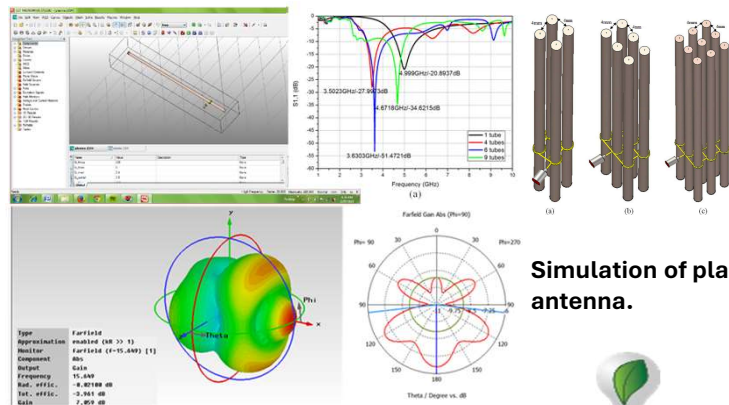
	Internal	National	Industry	International
Principal Researcher	1	2	1	1
Co-researcher	2	8	1	1

Total amount: RM 1,140,000

Research



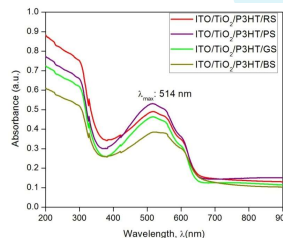
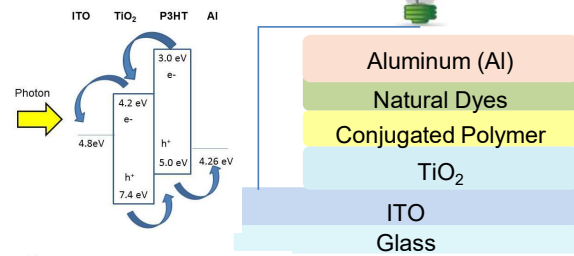
Plasma light and solid-state lighting (SSL)



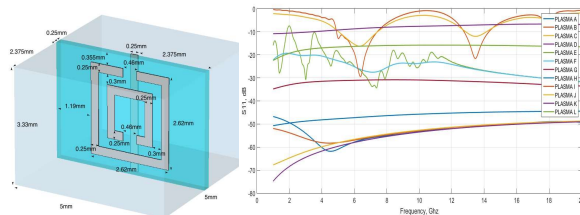
Simulation of plasma antenna.



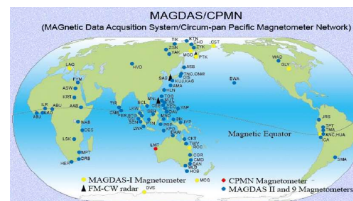
Surface treatment using atmospheric pressure plasma jet (APPJ).



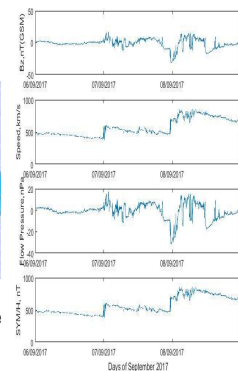
Dye Synthesis Solar Cell (DSSC), using natural dye and polymer.



Plasma-metamaterial for antenna application



Magnetometer data and space weather parameter analysis



Publication

(as August 2024)

Author Name: A. N. Dagang, Ahmad Nazri Dagang

Scopus – ID: 24469939200, Citation: 250, H-index: 8, No. of article: 55

Web of Science – ID: C-7961-2018, Citation: 135, H-index: 6, No. of article: 32