

## NURUL HUDA OSMAN

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### EXPERTISE

MICROWAVE ENGINEERING

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Nurul Huda Osman received her BEng degree in Electronic Engineering and was awarded a PhD degree in Electrical Engineering from the University of Surrey for her work on Miniature Planar Components for Microwave Applications. She is presently a senior lecturer at the Department of Physics, UPM. Her current work mainly focuses on application of microwave components as sensor for various applications.

### CURRENT RESEARCH INTEREST :

- **Microwave component for sensor application**

Works involves incorporating microwave components, such as interdigitated capacitor or antenna, with functionalised materials to work as a sensor for detection of different elements. This work includes design, EM simulation and fabrication of such sensor and testing at microwave frequency before the respective functionalised material is introduced and sensor response will be investigated.

- **Sensor and instrumentation (DC)**

Apart from working at microwave frequency, work incorporating various sensors with different functionalised materials was also conducted at lower frequency. This aims at building complete sensing system.

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### LINK TO POSTGRADUATE FIELD OF STUDY:

### ADDITIONAL INFORMATION: