

## SURIATI PAIMAN

### Ph.D. (Australian National University)

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#### EXPERTISE

SEMICONDUCTOR NANOWIRE GROWTH, CHARACTERIZATION AND DEVICES

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Dr Suriati Paiman is currently a senior lecturer at the Physics Department, Faculty of Science, Universiti Putra Malaysia. She is also a Research Associate at Functional Device Lab (FDL) in Institute of Advanced Technology, ITMA UPM. Her main research focuses on the fabrication of III-V semiconductor nanowires (InP, InSb, etc) using various deposition techniques (MOCVD and electrochemistry) and its applications as sensing platforms. Other research interests include deposition of semiconductor thin films (Ge, ZnO, etc) for photovoltaics and gas sensing applications. Suriati is the Principal Investigator for The World Academy of Sciences (TWAS) international grant in 2013 which funded for exploring the of growth of defect-free III -V compound semiconductors nanowires towards optoelectronics devices project. She is also the principal researcher of various national grants funded by the Ministry of Science, Technology and Innovation, and Ministry of Higher Education including ERGS, FRGS and IPB. She is a member of the Institute of Electrical and Electronic Engineers (IEEE), the American Chemical Society (ACS), Australian Research Network for Advanced Materials (ARNAM), The Australian Research Council Nanotechnology Network (ARCNN) and Malaysian Solid State Science and Technology (MASS). She has published more than 50 journal articles and proceedings, and has given many invited talks at prime conferences in the field. She is currently the STEM (Science, Technology, Engineering, Mathematics) Coordinator in Faculty of Science, UPM and has been worked extensively to bridge connections between higher education's research university and communities through educational outreach programs. Her work has led to the Industry and Community Appreciation (ICAN) Award in 2016 for her contributions in the high-impact industrial and community network programs.

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#### LINK TO POSTGRADUATE FIELD OF STUDY:

Physics, Materials Science, Nanoscience, Nanotechnology

#### ADDITIONAL INFORMATION:

<http://www.upmbiosensor.com/>