

## 2016 SATU Joint Research Scheme Program Host Application Form

Date: 2016 /04 /18 (year /month/day)

### 1. Host University

University of Malaya

### 2. Host Unit

Nanotechnology & Catalysis Research Centre (NANOCAT)

### 3. Joint Research Project Title

Advanced carbon nanostructures and their composites

### 4. Principal Investigator

Passport Name	Associate Professor Dr Boon Hoong ONG		
Nationality	Malaysian	Gender	<input checked="" type="checkbox"/> M <input type="checkbox"/> F
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Telephone	(Office) +603-79676267	(Mobile)	+6012-9311322
Fax Number	+603-79676956	E-mail	bhong@um.edu.my

### 5. Co- PI from the same unit – If any

Passport Name			
Nationality		Gender	<input type="checkbox"/> M <input type="checkbox"/> F
Address			
Telephone	(Office)	(Home / Mobile)	
Fax Number		E-mail	

### 6. Project Details

Project Description	Carbon nanostructures offer great flexibility to form functional composites with inorganic or organic compounds which lead to the development of new
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# SATU Presidents' Forum

of Southeast and South Asia and Taiwan Universities  
台灣與東南亞暨南亞大學校長論壇

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catalysts, sensor, energy storage and conversion applications. Carbon nanostructures, such as, graphene, carbon nanotubes, and carbon nanofibers, provide high surface area for the deposition of metal oxide that facilitates the efficient ion diffusion phenomenon and morphological governed properties. In this work, we design and synthesize carbon nanostructures/metal oxide composites and examine their chemical, electronics and optical properties. We are looking for co-PI from SATU members who had vast experiences in carbon nanostructures and devices fabrication.

## 7. Acknowledgement (Signed by the President or SATU representative to show recognition)

Name  
title

PROFESSOR DR. NOORSAADAH ABD. RAHMAN  
Deputy Vice-Chancellor  
(Research & Innovation)  
University of Malaya  
50603 Kuala Lumpur

Date

04 / 18

(signature)

(yyyy/mm/dd)

Please email [satu@email.ncku.edu.tw](mailto:satu@email.ncku.edu.tw) before 2016.4. 29(Fri.) for application with the subject line: < 2016 SATU JRS host application –School Name>. Thank you.