

2016 SATU Joint Research Scheme Program Host Application Form

Date: 2016 /04 /26 (year /month/day)

1. Host University

University of Malaya

2. Host Unit

Nanotechnology & Catalysis Research Centre (NANOCAT)

3. Joint Research Project Title

Superparamagnetic Iron Oxide Nanoparticles Catalysts (SPION-CAT)

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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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	Superparamagnetic materials exhibit high saturation magnetization with zero (or very small) remanent magnetization and coercivity. These unique properties
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SATU Presidents' Forum

of Southeast and South Asia and Taiwan Universities
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make it easily separated from any solution with a presence of external magnetic field. Iron oxides have good stability and reusability. If the size is below 15nm, superparamagnetism appear. This work aims to elucidate the catalytic properties of SPION and investigate its mechanism in catalytic oxidation of pollutant for environmental remediation.

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: 2016 / 04 / 28



(signature)

(yyyy/mm/dd)

Please email 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.