

2016 SATU Joint Research Scheme Program Host Application Form

Date: 2016 / 4 / 22 (year/month/day)

1. Host University

National Taipei University of Technology

2. Host Unit

Department of Electronic Engineering

3. Joint Research Project Title

Indoor Location Management and Location-based Services of
Internet of Things (IoT)

4. Principal Investigator

Passport Name	Po-Hsuan Tseng		
Nationality	Taiwan	Gender	V M <input type="checkbox"/> F
Address	1, Sec. 3, Zhong-Xiao East Road, Taipei, 10608, Taiwan		
Telephone	(Office) (02)27712171 #2222 (Home / Mobile) 0920-753266		
Fax Number		E-mail	phtseng@ntut.edu.tw

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


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

☒ : National Cheng Kung University
No. 1, University Road,
701 Tainan City, Taiwan
☎ : +886-6-2099250
☎ : +886-6-2373551
✉ : satu@email.ncku.edu.tw
🌐 : http://conf.ncku.edu.tw/satu

Project Description	With the rise of Internet of things (IoT), massively connected devices enable new types of applications. Indoor location-based service (LBS) is one of the applications with huge market values in the support of positioning. Location information facilitates the management of massive devices. It also helps the applications such as peer finding between devices before message exchange. The project will first focus on improving the precision of indoor localization to support IoT. After location estimation, location management of massively connected devices is designed under location uncertainties. Based on the location information, the devices are connected with higher efficiency and the network is expected to be self-reconfigured in a shorter time under emergency situations.
---------------------	--

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

Name <i>Chaochin Su</i> title <i>Dean of R&D center</i>  _____ Date: <i>2016 / 04 / 27</i> (yyyy/mm/dd) (signature)

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.