

## 2016 SATU Joint Research Scheme Program Co-Principal Investigator (Co-PI) Application Form

Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_ (year /month/day)

### Project List (Please select the project intend to apply)

1.  Rapid Manufacturing of Metallic Objects
2.  Behavioural, neural and cognitive studies of visual, speech and phonological processing in developmental dyslexia
3.  Solar Cell Research
4.  Optical microcavity resonators
5.  Application of Forward Osmosis for environmental application
6.  New Dimensions for Data Management
7.  Novel Rectenna Configurations for Ambient RF Energy Harvesters: Optimized Circuit Design and Scalable Rectenna Arrays
8.  Waste to Energy: Biomass Energy Recovery
9.  Indoor Location Management and Location-based Services of Internet of Things (IoT)
10.  Image and Video Quality Improvement Techniques
11.  Paper and Its Applications: Research on Traditional Papermaking
12.  Semiconductor Materials for Photocatalytic Applications
13.  Process development of supercritical CO<sub>2</sub> assisted electrodeposition
14.  The respiratory compensation auto tuning system with ultrasound image tracking technique
15.  Optimization method and its application in management
16.  Structural safety assessment
17.  Clinic Appointment Scheduling System
18.  Biosensors and Bioelectronics
19.  Big Data Analysis and E-Commerce
20.  Structural Safety Assessment
21.  Crystallization and Catalytic Behavior of Cesium-based Zeolite Nanocrystals Prepared in

# 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>

## Organotemplate-free Hydrogel System

22.  The Role of Openness and Curiosity in the Relationship between Mindfulness and Meaning in Life
23.  The Role of Problem-Solving Ability and Stress in the Relationship between Creativity and Happiness
24.  Motivations and Roles of Police Volunteer Reserve Officers
25.  Cell Membrane Targeting Peptide: Computational Custom-Tailored Peptide Design and Synthesis
26.  Nanomagnetic Heterogeneous Catalyst for Production of Biodiesel via Eserification-Transesterification Route
27.  Photocatalysis degradation of Azo Dye by Hydrogenated Titanium Dioxide
28.  Proteins recovery technique from Microalgae
29.  Thermal Characteristic and Entropy Efficiency of Nanofluids In Solar Collector System
30.  Advanced carbon nanostructures and their composites
31.  Hydrodeoxygenation of Non-Edible Oil to Renewable Green Hydrocarbon using Transition metal supported on Titania
32.  Superparamagnetic Iron Oxide Nanoparticles Catalysts (SPION-CAT)
33.  Physical Properties and Skyrmion Phase in Manganese Silicide Nanowires Grown By HWCVD
34.  Pb-free piezoelectric and recoverable electro-strain materials for actuators
35.  Design, Fabrication and Testing of the Novel Cross Axis Wind Turbine
36.  Development of High Performance Biopolymer from Vegetable Oils
37.  Preparation, Characterization and Performance Studies of Nanocellulose Based Biocomposites
38.  Optimization on engine performance and biofuel production from tropical resources blend with waste cooking oil

## 1. Personal Information

Passport Name			
Nick Name-if any			
Nationality		Gender	<input type="checkbox"/> M <input type="checkbox"/> F
Address			

Telephone	(Office)	(Home / Mobile)
Fax Number		E-mail

## 2. Education (Begin with highest degree earned; if degree is pending, please so indicate.)

Institution	Nation	Department/Program	Degree	Dates
				From ___/___/___ to ___/___/___
				From ___/___/___ to ___/___/___
				From ___/___/___ to ___/___/___
				From ___/___/___ to ___/___/___

## 3. Current Position and Professional Experience (Indicate full-time positions in research, beginning with current position)

Institution	Department/Program	Position	Duration
			From ___/___/___ to ___/___/___
			From ___/___/___ to ___/___/___
			From ___/___/___ to ___/___/___
			From ___/___/___ to ___/___/___
			From ___/___/___ to ___/___/___

## 4. Fields of Expertise (List primary and secondary expertise in research-related disciplines)

1.	2.	3.	4.
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## 5. Research Topic and Abstract of Research Project

Please describe briefly the proposed research project, including the aims, envisaged results and benefit to both sides from this collaboration, and its potential impact.

## 6. Outputs

Please explain the proposed output of the research, and the plans for publication or other dissemination. Please also state the policy agreed between the two groups concerning publication of results and the attribution and exercise of Intellectual Property Rights (IPR).

## 7. Publication List:

- (1) Please list all papers or works published in the past five years, including articles published in periodicals, books, conference papers, technical reports, etc. (List in descending order of importance.)
- (2) List all works in order of publication date. Provide information on each work in this order: names of authors (in the order as published, mark corresponding author with an asterisk\*), year and month of publication, title, name of journal (and publisher), and page numbers. For works that have been accepted for publication but not officially printed, attach publisher's letter of acceptance.
- (3) Indicate if a paper has been indexed in the Science Citation Index, Engineering Index, Social Science Citation Index or Arts & Humanities Citation Index.

## 8. Acknowledgement (by the President or SATU representative)

Name  
title

\_\_\_\_\_ (signature)

Date:            /            /            (yyyy/mm/dd)

Please email to [satu@email.ncku.edu.tw](mailto:satu@email.ncku.edu.tw) before 2016.6.7(Tue.) for application with the subject line: < 2016 SATU NCKU JRS Co-PI application –Project Topic>. Thank you.