ICT Virtual Organization of ASEAN Institutes and NICT
ASEAN IVO Forum 2016
Call for Presentations

Submission and Registration Form

Please enter the relevant information in the fields below, giving an appropriate explanation when necessary. You may add supplemental pages and supporting data. If necessary, you may be asked to provide additional documents.

I. Title—Title of presentation: **Phuket smart city**

II. Author(s)—Full name (First name family name): **Supakorn Siddhichai, Ubolwan Khamkaew, Kalaya Udomvitid, Theerawat Wongsrisang, Monsak Socharoentum, Suwat Sopitpan, Opas Trithaveesak, Panita Pongpaibool, Wasin Sinthupinyo, Koonlachat Meesublak, Naiyana Sahavechaphan, Wasan Pattara-atikom, Seksun Sartsatit, Sarun Sumriddetchkajorn**
(If you are already planning a project, please include the names of all team members)

III. Organization(s): National Electronics and Computer Technology Center (NECTEC)
(If you are already planning a project, please include the institutions of all team members)

IV. Topic selection: Smart city
(Select one from the topics listed in "Call for Presentations")

IV. Abstract: The purpose of this project is to promote a safe, secured, and well informed environment for residence and visitors for the island of Phuket. Phuket is a large island with an area of 576 square kilometers and population of half a million people. However, there are over ten million visitors coming to the island every year. It has an international airport, a bridge connecting to the mainland, and many ports for tourist boats as well as fishing boats. Gaining insight into city management by applications of digital technologies would promote better living and sustainable economic growth together with all the stakeholders.

There are 3 key outputs
1) Public health and safety, it is composed of the following components.

- Vehicle and driver monitoring: License plate and facial recognition
- Traffic law enforcement: red light violation, motorcyclist not wearing helmet
- CCTV integration and command center
- Real-time monitoring of spreading diseases

2) Traffic information service, it is composed of the following components.
- Traffic video analytics from CCTV
- Bus arrival information service

3) Environmental monitoring, it is composed of the following components.
- Landslide warning system
- Waste collection management

The nature of this project requires close collaboration among partners which are listed below in 3 categories.

1) Local partners: Phuket governor's office, Phuket municipalities, Phuket police, Department of highways, Department of disaster prevention and mitigation, Software industry promotion agency,

2) National partners: Ministry of Information Communications Technology/Ministry of Digital Economy and Society, Ministry of Science and Technology, Ministry of Public Health

3) Global partners: NEC, Teleste, HPE, Autodesk

(Describe the purpose, background, objectives, content, plans for connected projects, expected results/outcomes, etc.)

V. Speaker information:

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VI. Support for speaker—circle or underline any that you wish to request:

- Round trip fare at discount economy class
- Accommodation