

**ICT Virtual Organization of ASEAN Institutes and NICT
ASEAN IVO Forum 2016**

Call for Presentations

ASEAN IVO Forum 2016 will provide a place for all ASEAN IVO members to exchange ideas, discuss R&D topics and coordinate projects. Any and all members of ASEAN IVO can apply for the ASEAN IVO Forum 2016.

We are currently accepting abstracts for presentations.

1. Topics

In this year's Call, projects would ideally focus on demonstration or proof-of-concept experiments, or have a strong outlook to conduct a demonstration by the final year of the project duration. Proposals from all technical fields are welcome and they will be evaluated on the potential benefit of output, as the emphasis is on applications to address societal needs. Additionally, novel and innovative proposals from smaller collaborative groups are especially encouraged.

1) Cyber-Security and its applications.

This topic does not only focus on technologies, but also applications and integrated systems for R&D.

Key-words: Secure IoT/SDN, Monitoring/Detection Systems, Cryptography

2) Smart Society: ICT applications for community and environment

The focus of this topic is for ICT applications providing specific solutions to ASEAN regional problems. Proposals to this topic should be made under one of the following sub-topics:

A) Smart Community

This sub-topic is for ICT applications to enrich people's lives and make public services more efficient, or protect communities from specific hazards and mitigate the effects of climate change on the environment.

Keywords: E-Healthcare, Environment monitoring, Disaster mitigation, Green ICT, Resource savings, Power reduction, Secure and clean ICT environment, Natural Language Processing

B) Smart City

This sub-topic addresses the specific demands of dense metropolitan areas, such as pollution and overcrowding, as well as the technologies required to address the ICT demands. Technology-based projects should consider what is already available or under development by Google and other multinational technology companies, and should seek to provide innovative solutions to ASEAN-specific needs in ways that these companies cannot.

*Keywords for technology development: IoT, Mobility, SDN, 4G/5G, WSN, Big data
Keywords for application development: Metropolitan area, Traffic, Structural integrity monitoring, Civil construction, Entertainment, Smart homes*

C) Smart Village

Projects under this sub-topic will address the special needs of rural communities caused by the "digital divide". To enable ICT to penetrate rural communities and provide services for all, solutions are sought to overcome the current regional lack of access to electricity and other basic needs.

Keywords: Smart Grid, Telemedicine, Agriculture, Education

2. Important dates

- 1) Deadline for abstract submission: Oct. 21, 2016
- 2) Forum registration deadline for speakers: Oct. 21, 2016
- 3) ASEAN IVO Forum 2016: Nov. 24, 2016

3. Venue

Posts and Telecommunications Institute of Technology (PTIT),
Km 10, Nguyen Trai Street, Ha Dong, Hanoi, Vietnam.
<http://portal1.ptit.edu.vn/eng/>

4. Travel and Accommodation

NICT can provide the round trip flight ticket at discount economy class and hotel accommodation for speakers of all approved presentations.

5. Review and selection

- (1) The Steering Committee of ASEAN IVO will evaluate each submission for technical merit and other relevant factors. In some cases, modifications may be recommended.
- (2) Approved presentations will be published on the ASEAN IVO website.
- (3) Speakers of the selected presentations are expected to cooperate with NICT for administrative procedures.

6. Submission

- (1) Procedure: Submit applications by filling in all necessary items in the submission and registration form and E-mailing it by attachment in MS Word and PDF format.
- (2) Submit to: ASEAN IVO Secretariat
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