

**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:
Recent advance of speech and language processing technologies in Thailand

II. Author(s)—Full name (First name family name):
(If you are already planning a project, please include the names of all team members)
Chai Wutiwiwatchai, Thepchai Supnithi

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

IV. Topic selection:
(Select one from the topics listed in "Call for Presentations")
Smart Society: ICT applications for community and environment
A) Smart community
Keywords: Natural language processing

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

Human Computer Communication Research Unit at National Electronics and Computer Technology Center has conducted research, development, and engineering of technologies specifically for Thai language processing for a long time. Recently, our objective has been shifted to serve our technologies as national platforms for Thai and regional communities. Thai automatic speech recognition and text-to-speech synthesis have been intensively improved and provided as commercial services, while translation memory has been in field-testing with an aim to build a source for practical machine translation development, as well as to be a user-friendly interface for nation-wide translation activities. These technologies have been utilized in several projects such as the Universal Speech Translation Advance Research (USTAR), the ASEAN language translation public service, and recently the

ASEAN language speech translation thru USTAR under an ASEAN-IVO support. This presentation includes the current advance of the described technologies, summaries of the past related projects, and our future plan for ASEAN language and speech translation under both the ASEAN organization support and the ASEAN-IVO program.

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