

Asia Pacific Conference on Robot IoT System Development and Platform 2018



Oct. 30 - Nov. 2, 2018

Prince of Songkla University (PSU)
in Phuket, Thailand

A
P
R
I
S
2
0
1
8

APRIS2018 Overview

A
P
R
I
S
2
0
1
8

- DAY 1 (Oct 30), DAY 2 (Oct. 31)
 - Main Conference: 2 Keynotes, 3 Invited talks, Technical oral/poster sessions
 - Lab tour, banquet
(Smart City Innovation Centre@Sa-phan-hin Phuket, PSU)
- DAY 3 (Nov. 1) & DAY 4 (Nov. 2)
 - Robot challenge: Team development for contest and Model-Based Development workshop, Project-Based Learning, presentation, and closing
 - 1-hour event: Japanese=Panel Discussion
Thai=Lightening Talks

Greetings

- Assoc. Prof. Dr. Prathana Kannaovakun
(PSU Phuket, Vice-president)

APRIS2018 Numbers

- Conference Registration
 - From Thailand 14, From Japan 27
- Robot Challenge Attendee
 - From Thailand 56, From Japan 23

APRIS2018 Organizing Committee Members

A
P
R
I
S
2
0
1
8

Steering Committee

- Nattha Jindapetch (Prince of Songkla University)
- Harumi Watanabe (Tokai University)
- Masami Ikura (TOYOTA TSUSHO NEXTY ELECTRONICS (THAILAND) CO., LTD,)

General Co-Chairs

- Takeshi Ohkawa (Utsunomiya University)
- Nikom Suvonvorn (Prince of Songkla University)

Program Co-Chairs

- Midori Sugaya (Shibaura Institute of Technology)
- Hideki Takase (Kyoto University)
- Virach Sornlertlamvanich (Thammasat University)
- Kittikhun Thongpull (Prince of Songkla University)

Robot Contest Co-Chairs

- Masafumi Miwa (Tokushima University)
- Kenji Hisazumi (Kyushu University)

Robot Challenge Committee members

- Mikiko Sato (Tokai University)
- Nobuhiro Ohe (Tokai University)
- Nobuhiko Ogura (Tokyo City University)

Publication Chair

- Kiyofumi Tanaka (JAIST)

Financial Chair

- Eiichi Hayakawa (Takushoku University)

Publicity Chair

- Takashi Kitamura (AIST)

Thanks to our sponsors!



**TOYOTA TSUSHO
NEXTY ELECTRONICS
(THAILAND) CO., LTD.**



TOKAI UNIVERSITY

SIG on Embedded System, IPSJ
SIGEMB

enpitéEmb

A
P
R
I
S
2
0
1
8

Program Committee Report

Program Co-Chairs

- Midori Sugaya (Shibaura Institute of Technology)
- Hideki Takase (Kyoto University)
- Virach Sornlertlamvanich (Thammasat University)
- Kittikhun Thongpull (Prince of Songkla University)

A
P
R
I
S
2
0
1
8

Reviewers (28 PC members)

- from Thai and Japan
 - Totally 28 professors and researchers, and cooperation researchers

- Hiroyuki Chishiro(The University of Tokyo)
- Hiroaki Fukuda(Shibaura Institute of Technology)
- Narit Hnoohom(Mahidol University)
- Teerayut Horanont(The University of Tokyo)
- Makoto Imamura(Tokai University)
- Nattha Jindapetch(Prince of Songkla University)
- Wanida Kanarkard(Khon Kaen University)
- Kise Kenji(Tokyo Institute of Technology)
- Chatchai Khunboa(Khon Kaen University)
- Tomoji Kishi(Waseda University)
- Takashi Kitamura(National Institute of Advanced Industrial Science and Technology (AIST))
- Yutaka Matsubara(Nagoya University)
- Saeko Matsuura(Shibaura Institute of Technology)

- Tsuyoshi Nakajima(Shibaura Institute of Technology)
- Shin Nakajima(National Institute of Informatics)
- Yukikazu Nakamoto(University of Hyogo)
- Tsuneo Nakanishi(Kyushu University)
- Paramin Neranon(Prince of Songkla University)
- Mikiko Sato(Tokai University)
- Pruittikorn Smithmaitrie(Prince of Songkla University)
- Petcharat Suriyachai(Prince of Songkla University)
- Kiyofumi Tanaka(JAIST)
- Sangsuree Vasupongayya(Prince of Songkla University)
- Yasutaka Wada(Meisei University)
- Konlakorn Wongpatikaseree(Mahidol University)
- Kentaro Yoshimura(Hitachi)

Papers

- 9 Regular/Oral papers
- 7 Short/Poster papers
(including ESS abstract)
- 12 Work In Progress papers

Sessions

- Day1 (Oct 30)
 - Keynote I
 - Invited Talk I, II
 - Technical oral session I-A **Robot Systems**
 - Technical oral session I-B **Operating Systems and Networks**
 - **Poster sessions**
- Day2 (Oct 31)
 - Keynote II
 - Invited Talk III
 - Technical oral sessions II-A **Power aware and wearable computing**, II-B **ROS and robotics**, II-C **Model and Data for IoT**
 - Lab tour
 - City Innovation Centre@Sa-phan-hin Phuket, PSU), banquet

A
P
R
I
S
2
0
1
8

Awards

- Regular paper
 - The Best Paper Award
 - The Outstanding Paper Award
- Short paper (including ESS abstract)
 - The Best Short Paper Award
- The Best Student Short Paper Award
- The Best Working In Progress Award

At Banquet, we will introduce