

# Parallel and Distributed Systems

Volume 1, Issue 2

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## Current R&D with PG Students at CoE, PSU

*Prince of Songkla University*



**Asst. Prof. Pichaya Tandayya, Ph.D.**

Members of ECTI, ACM and IEEE

Pichaya Tandayya graduated in Electrical Engineering (Communications) from Prince of Songkla University (PSU) in Thailand in 1990. She obtained her Ph.D. in Computer Science in 2001 from the University of Manchester in the area of Distributed Interactive Simulation. Currently, she is an Assistant Professor in the Department of Computer Engineering, PSU. Her current research works concern Parallel and Distributed Computing and Assistive Technology.

Pichaya Tandayya, as a main supervisor, has produced eight M.Eng. graduates in Computer Engineering, three M.Sc. graduates in Management of Information Technology, a Ph.D. Computer Engineering and a Ph.D. in Molecular Biology and Bioinformatics.

## Group Introduction

*Parallel and Distributed Computing and Systems*

Research conducted in this group concerns Computer System Design focusing on Parallel and Distributed Computing and Systems. The areas have ranged from Distributed Interactive Simulation, Parallel Computing, Distributed Systems, and Workflow Technology to Virtualization and Cloud Technology.

## Reducing Power Consumption in Data Center Applying Virtualization

*PSU Graduate School Scholarship*



**Kritwara Rattanaopas (Krit)**

PhD Student 5210130028 (2/2552)

Kritwara Rattanaopas received B.Eng. and M.Eng. in Electrical Engineering, and M.Sc. in Information Management from Prince of Songkla University, Thailand, in 1998, 2002 and 2006 respectively. Currently, he is a Ph.D. student in Computer Engineering. He is interested in the research fields of Computer System Design, Cloud Computing (Infrastructure-as-a-service) and Distributed Computing.

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CoE PSU



## A Smart Agent for Running and Debugging Scientific Workflow

*PSU 50/50 Scholarship*



**Kasikrit Damkliang (Noom)**

PhD Student 5710130035 (2/2557)

Kasikrit Damkliang received B.Sc. in Computer Science in 2005 and M.Eng. in Computer Engineering in 2009, both from Prince of Songkla University (PSU), Thailand. He is currently a lecturer in the Information and Technology Program, Faculty of Science, PSU and is also currently a Ph.D. student at the Department of Computer Engineering, Faculty of Engineering, Prince of Songkla University, Thailand. His research interests include Web Service, Cloud Computing, Workflow Technology, and Bioinformatics.

## Social Network Sentiment Analysis

*TEH-AC Scholarship*



**Myint Zaw**

PhD Student 5910130012

Myint Zaw received B.C.Tech. (Hons.) and M.C.Tech. in Computer Technology from University of Computer Studies, Yangon (UCSY), Myanmar. Currently, he is a Ph.D. student in Computer Engineering at Prince of Songkla University, Thailand. He has got a scholarship from Office of the Higher Graduation Commission under the Thailand Education Hub-ASEAN Countries (TEH-AC) project.

## Designing and Testing Machine Learning Models on Deep Learning Applying TensorFlow

*Royal Golden Jubilee Scholarship*

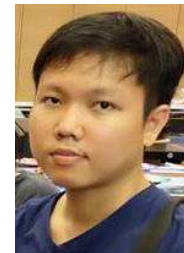


**Attasuntorn Traisuwan (Tone)**

PhD Student 5810130012

Attasuntorn Traisuwan received B.Eng. (Computer Engineering) from Prince of Songkla University (PSU), Thailand, in 2015. Recently, he is pursuing a Ph.D. in Computer Engineering at PSU. He is interested in the research fields of Machine Learning, Scientific Workflows, and Cloud Technology.

## A Tool for Designing and Testing Machine Learning Models Enhancing TensorFlow



**Somchai Wichaidit (Moo)**

BEng Student 5710110471

Somchai Wichaidit is an undergraduate student at Prince of Songkla University, Thailand. His major Computer Engineering. He and his team, Teen, participated in the ACM-ICPC 2016 Thailand Southern Programming Contest and got the first prize with an award of 25,000 Baht. He is assisting Attasuntorn to work on adjusting machine learning models on TensorFlow.

## Enhancing an LMS File Retrieval System Applying Class Schedules and Popularity Index

*PSU Engineering Faculty Scholarship*



**Taofik Lamsub (Fik)**  
MEng Student 5710120068

Taofik Lamsub received B.Eng. in Computer Engineering from Walailak University. Currently, he is an M.Eng. student in Computer Engineering at Prince of Songkla University, Thailand. He is doing a research-only program.

## A Cache Mechanism for Reducing Time Series Database Query Time Using OpenTSDB as a Case Study

*Academic Excellence Scholarship funded by PSU Graduate School*



**Thada Wangthammang (Mild)**  
MEng Student 5810120061

Thada Wangthammang is a master student at Department of Computer Engineering, Prince of Songkla University (PSU). He also received B.Eng. with a first-class honor in 2015 from PSU.

## A Distributed Simulation System for Training and Testing Game Programming



**Phutthewan Yangyuenyong (Jo)**  
BEng Student (5610110382)

Phutthewan Yangyuenyong is an undergraduate student at Prince of Songkla University, Thailand. His major is Computer Engineering. Currently, he is interested in games, algorithms, cryptography and security. He is still learning to become a professional game developer.



**Aran Khunaree (New)**  
BEng Student (5610120630)

Aran Khunaree is an undergraduate student at Prince of Songkla University, Thailand. His major Computer Engineering. He wants to improve his skill in game logics, animations, robotics, algorithms, web applications and mobile applications. At an early date, he plans to become a founder of a technology start-up company.



**Chalemchon Saekuu (Knot)**  
BEng Student (5610110107)

Chalemchon Saekuu is an undergraduate student at Prince of Songkla University, Thailand. His major Computer Engineering. He is working on developing a block editor for BOT game code generation.