**Special Session in “Computational Intelligence for the Digital Economy”**

**The 24th International Conference on Neural Information Processing**

**(ICONIP 2017)**

**November 14-18, 2017, Guangzhou, China**

# Overview

Digital economy aims to drive innovation development which can lead the countries toward digital era. It is known that the Internet-of-Things has been becoming popular as it enables inter-networking of physical devices and trigs a massive influx of big data. Therefore, Computational Intelligence plays an important role in a digital economy across a wide range of sectors e.g., food, agriculture, health, robotics, by providing tools to help human to access reliable knowledge and to make intelligent use of data.

This special session aims to bring Computational Intelligence in both theory and applications to support the advances in smart agriculture, smart healthcare, and smart city.

# Scope of contributions

Topic areas include but are not limited to:

Smart agriculture, smart healthcare, and smart city based on the advances in computational intelligence approaches, including neurodynamics, machine learning, data mining, neural network, fuzzy logic, genetic algorithm, optimization, deep learning, reinforcement learning, convolutional neural network, time series analysis, Bayesian networks, pattern recognition, image processing, computer vision, speech processing, signal processing, and related areas.

# Organisers

* Prof. Chu Kiong Loo (University of Malaya, Malaysia)
* Asst. Prof. Dr. Kitsuchart Pasupa (King Mongkut’s Institute of Technology Ladkrabang, Thailand)
* Asst. Prof. Dr. Kuntpong Woraratpanya (King Mongkut’s Institute of Technology Ladkrabang, Thailand)
* IEEE Computational Intelligence Society Thailand Chapter

**Short bio of the organisers**

CK Loo (ckloo.um@um.edu.my) is Professor of Computer Science and Information Technology at the University of Malaya. From 2011-2012 Loo also was the Vice Chairman of IEEE SMC Malaysia Chapter. He is also the founder and Vice Chairman of IEEE Computational Intelligence Society, Malaysia Chapter (2013-2014). In 2014, he was the President of APPNA. His current main research area are incremental and online learning of neural networks, topological clustering, Recurrent Kernel-based ELM and cognitive robotics. He has published more than 100 peer review journal papers, filed 7 patents and founded a spin-off company that commercialized CI-based products.

K Pasupa (kitsuchart@it.kmitl.ac.th) is an Assistant Professor in the Faculty of Information Technology, King Mongkut’s Institute of Technology Ladkrabang, Bangkok, Thailand. Previously, he was a research fellow at Southampton and Sheffield Universities. He obtained a BEng in Electrical Engineering from Sirindhorn International Institute of Technology, Thammasat University, Thailand in 2003, and then went to the Department of Automatic Control and Systems Engineering, University of Sheffield where he received his MSc(Eng) and PhD in Automatic Control and Systems Engineering in 2004 and 2008, respectively. His main research interests lie in the application of machine learning techniques in the real world application. He is a senior member of IEEE.

# K Woraratpanya received his B.Ind.Tech. in computer technology, M.Eng in Computer Engineering, and D.Eng in Electrical Engineering, all from King Mongkut’s Institute of Technology Ladkrabang, Bangkok, in 1992, 1996, and 2005, respectively. He is currently an assistant professor at Faculty of Information Technology, King Mongkut’s Institute of Technology Ladkrabang, Bangkok, Thailand. His research interests include stereoscopic acquisition and compression, multimedia coding and processing, digital signal processing, speech recognition and processing, pattern recognition and image processing, computer vision, and machine learning.

**Paper Submission**

A paper should be submitted through ICONIP 2017 submission system (http://sci-review.com/iconip2017/). After logging into the submission system, you need to choose special session on “Computational Intelligence for the Digital Economy”. Paper Submission Deadline is June 15, 2017.

We look forward to receiving your high-quality submissions.