



# WASSAPON WATANAKEESUNTORN

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## Profile

Doctoral student at Division of Information Science, Nara Institute of Science and Technology, Japan. Member of Software Design and Analysis Laboratory. Currently working on project about monitoring tool for Software-defined networking (SDN) and HPC application optimization.

## Education

- **Nara Institute of Science and Technology, Japan**  
Doctoral degree of Information Science, 2019 – 2022 (Expected)  
Member of Software Design and Analysis Laboratory
- **Nara Institute of Science and Technology, Japan**  
Master's degree of Information Science, 2017 – 2019  
Member of Software Design and Analysis Laboratory
- **Kasetsart University, Thailand**  
Bachelor's degree of Computer Engineering, 2013 – 2016  
Member of High Performance Computing and Networking Center

## Experience

- **Scripps Institute of Oceanography, University of California San Diego**  
Visiting Scholar, September 2019 – October 2019  
Did a research project about EDM code optimization and acceleration with CUDA for AI Bridging Cloud Infrastructure (ABCI). This project is collaboration between Nara Institute of Science and Technology, National Institute of Advanced Industrial Science and Technology, Scripps Institute of Oceanography (University of California San Diego), and Salk Institute for Biological Studies.
- **National Institute of Advanced Industrial Science and Technology**  
Research Student (Internship), August 2018 – September 2018  
Did a research project about EDM code optimization and acceleration with CUDA for AI Bridging Cloud Infrastructure (ABCI).
- **Innovative Extremist Co., LTD**  
Back-end Developer (Internship), June 2017 – August 2017  
Developed a back-end application with Laravel web framework (PHP).
- **Nara Institute of Science and Technology**  
Research Student (Internship), June 2016 – July 2016  
Did a research project about monitoring tool for OpenFlow network which using Ryu Library and visualize the information via web page.

## Publications

- **Real-Time Monitoring and Visualization Software for OpenFlow Network**  
Wassapon Watanakeesuntorn, Putchong Uthayopas, Kohei Ichikawa, Chantana Chantrapornchai  
15th International Conference on ICT and Knowledge Engineering (ICT&KE), Thailand, 2017
- **A Proposal of a Real-Time OpenFlow DDoS Detection Tool**  
Wassapon Watanakeesuntorn, Kohei Ichikawa, Hajimu Iida  
IPSI SIG Internet and Operation Technology, Japan, 2018

- **Performance Comparison of Machine Learning Models for DDoS Attacks Detection**  
Panida Khuphiran, Pattara Leelaprute, Putchong Uthayopas, Kohei Ichikawa, Wassapon Watanakeesuntorn  
22nd International Computer Science and Engineering Conference (ICSEC), Thailand, 2018

## Posters

- **A proposal of a real-time OpenFlow DDoS detection tool**  
Wassapon Watanakeesuntorn, Kohei Ichikawa, Hajimu Iida, Putchong Uthayopas  
PRAGMA34 Meeting, Japan, 2018
- **Calculation of Complete Zebrafish Brain Neural Activities on ABCI**  
Wassapon Watanakeesuntorn, Kohei Ichikawa, Jason Haga, Gerald Pao, Erik Saberski  
PRAGMA35 Meeting, Malaysia, 2018
- **Calculation of Complete Zebrafish Brain Neural Activities on ABCI**  
Wassapon Watanakeesuntorn, Kohei Ichikawa, Keichi Takahashi, Jason Haga, Gerald Pao  
PRAGMA36 Meeting, South Korea, 2019
- **Modeling of Complete Zebrafish Brain Neural Activities on ABCI**  
Wassapon Watanakeesuntorn, Kohei Ichikawa, Keichi Takahashi, Jason Haga, Joseph Park, Gerald Pao  
PRAGMA37 Meeting, California, United States, 2019

## Oral Presentation

- **An Interactive Monitoring Tool for OpenFlow Networks**  
Wassapon Watanakeesuntorn  
PRAGMA37 Meeting, California, United States, 2019

## Awards and Acknowledgements

- Session Chair of Poster and Lightning Talks Session at PRAGMA34 Workshop, Tokyo, Japan
- Session Chair of Student Presentation, Poster, and Lightning Talks Session at PRAGMA35 Workshop, Penang, Malaysia
- Session Chair of Student Presentation and Poster Session at PRAGMA36 Workshop, Jeju, South Korea
- Session Chair of Student Presentation and Poster Session at PRAGMA37 Workshop, San Diego, California, United States
- Participated in ACM-ICPC 2015, National Round, Thailand
- Participated in PRAGMA31 Student Hackathon, Bangkok, Thailand
- Participated in PRAGMA31 Workshop with poster and demo presentation, Bangkok, Thailand
- Organized Barcamp Bangkhen 5 and Barcamp Bangkhen 6, Kasetsart University, Thailand
- Organized eXceed Camp 12<sup>th</sup>, Kasetsart University, Thailand

## Skills

- Language
  - o Thai: Native
  - o English: Intermediate
    - TOEIC-IP: 840/990
  - o Japanese: Beginner