

WORAWIT TEPSAN

Contact: International College of Digital Innovation (ICDI),
Chiang Mai University (CMU), Chiang Mai, Thailand
Email: worawit.tepsan@cmu.ac.th, webpage: cmu.to/wtepsan

Profile: Lecturer at ICDI, Research Interests in Data Analysis, Machine Learning, Artificial Intelligence, Digital Technology, and Applied Mathematics.



PUBLICATIONS

- Shu H, Dawod A Y, Tepsan W, Mou L, Tang Z. Multi-channel Microseismic Signal Classification with Convolutional Neural Networks. IAES International Journal of Artificial Intelligence (IJ-AI). (To be published in 2023) 2023
- Ran X, Zhou X, Lei M, Tepsan W, Deng W. A Novel K-Means Clustering Algorithm with a Noise Algorithm for Capturing Urban Hotspots. *Applied Sciences*. 2021; 11(23):11202. <https://doi.org/10.3390/app112311202> 2021
- Blecher, D.P., Tepsan, W. Real Operator Algebras and Real Positive Maps. *Integr. Equ. Oper. Theory* 93, 49 (2021). <https://doi.org/10.1007/s00020-021-02665-1> 2021

ACADEMIC EXPERIENCES

- Research on Human Action Recognition Project using Skeleton Database with NECTEC Jun 2022-Now
- Training in Super AI Engineer Season Program organized by Artificial Intelligence Association of Thailand (AIAT) [certificate: <https://aiat.or.th/cert/files/SuperAIEngineer2021/EN-SuperAI2-019.png>] Nov 2021-Aug 2022
- Training in Agricultural Data Scientist Program organized by Faculty of Science and Industrial Technology, Prince of Songkla University, Surat Thani Campus July 2022
- Co-Researcher: The study of growth poles of the Northern Economic Corridor Project, Thailand 2021
(Grant from the Ministry of Higher Education, Science, Research and Innovation, Thailand)
- PhD Thesis: Real Operator Spaces, Real Operator Algebras and Real Jordan Operator Algebras 2020
- Master's degree Thesis: Triangular Mean-Value Functional Equation 2012
- Senior Research: Algorithms for Solving Periodic Pentadiagonal Linear System and Inverting Periodic Pentadiagonal Matrices 2010
- Mini Project: Algorithm for Finding Shortest path in Chiang Mai City 2008

EMPLOYMENT

- Lecturer at International College of Digital Innovation, Chiang Mai University, Thailand Dec 2020 - Current
- Special Expert at International College of Digital Innovation, Chiang Mai University, Thailand Aug 2020 - Dec2020
- Teaching Assistance at University of Houston, TX, USA 2015- 2020
- Tutor (Self Employed) for secondary and high school students in Math, BKK, Thailand 2010- 2013
- Teaching assistance in Real Analysis (2010 term 1), Numerical Analysis (2010 term 2), and Calculus (2012 summer) at Chulalongkorn University, BKK, Thailand 2010, 2012

EDUCATION

- PhD in Mathematics from University of Houston, Texas, USA 2015-2020
- Studied for PhD in Mathematics but then moved to University of Houston Ohio University, Ohio, USA (did not graduate) 2013-2015
- Master of Science in Mathematics from Chulalongkorn University, Bangkok, Thailand 2010-2013
- Bachelor of Science in Mathematics (Minor in Computer Science) from Chiang Mai University, Chiang Mai, Thailand 2006-2010

HONORS AND AWARDS

- | | | |
|---|--|-----------|
| ■ | Abroad fellowship from the Institute for the Promotion of Teaching Science and Technology Project (DPST),
Ministry of Education, Thailand | 2013-2018 |
| ■ | Scholarship from Development and Promotion of Science and Technology Talents Project (DPST),
Ministry of Education, Thailand | 2003-2013 |
| ■ | Scholarship from Junior Scientist Talent Project (JSTP), Thailand | 2007 |

SKILLS

- | | | |
|---|-------------------|--------|
| ■ | Computer Language | Python |
|---|-------------------|--------|