

RESEARCHER PROFILE

NameAnucha.....
Last name ...Tungkasthan.....
Academic PositionAssistant Professor.....
Faculty ...Science and Technology.....
MajorData and Information Science.....
Research interest Artificial Intelligence, Computer vision,
Image processing and pattern recognition, Object Tracking
Big Data for Digital Image Processing
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Education	From ... To ...	University name	Country
Doctor	2007-2011	Siam University (In cooperation with the University of Pittsburgh,USA)	Thailand
Master	2002-2004	King Mongkut's University of Technology North Bangkok	Thailand
Bachelor	1997-1999	Chiang Mai Technical College	Thailand

International Publications

(Only published within the last five (5) years in international journals or book chapters)

[1] ... Y. Thwe, N. Jongsawat and A. Tungkasthan, A Semi-Supervised Learning Approach for Automatic Detection and Fashion Product Category Prediction with Small Training Dataset Using FC-YOLOv4, August 12, Appl. Sci. 2022, 12(16), 8068;

<https://doi.org/10.3390/app12168068> Impact Factor (Scopus): Q2

[2] P. Poompuang and A. Tungkasthan, “The Local Power Set in Transaction Scanning for Efficient Frequent Item sets Mining”, ECTI-CIT, vol. 15, no. 1, pp. 123 - 133, Jan. 2021. Impact Factor (Scopus): Q3

Book/ Textbooks (Both Thai and International publications)

[1] ...A. Tungkastathan and W. Premchaisawadi, On-line Image Search Application Using Fast and Robust Color Indexing and Multi-thread Processing, Lecture Notes in Electrical Engineering (Electrical Engineering and Applied Computing), Vol. 90, 2011. ISBN 978-94-007-1192-1, Published by Springer

- [2] ...A. Tungkasthan, N. Jongsawat, P. Poompuang, S. Intarasema, and W. Premchaiswadi, Automatically building diagnostic Bayesian networks from on-line data sources and the SMILE web-based interface, ed. Chiang S.Jao (Decision Support Systems, INTECH, 2010), pp. 321-334.
- [3] ...N. Jongsawat, A. Tungkasthan, and W. Premchaiswadi, Dynamic data feed to Bayesian network model and SMILE web application, ed. Ahmed Rebai (Bayesian Network, SCIYO, 2010), pp. 155-166.

Research funds (Within the last five (5) years)

- 2022 ...-.....
- 2021 ... Development of Counting and Object Classification Device for Detecting People Interested in Advertising Signage and a Real-Time Monitoring Cloud-Based System
- 2020 ... Development of Portable Air Quality Monitor Devices and a Real Time Monitoring Cloud-Based System and a Real Time Monitoring Cloud-Based System
- 2019 ... Development of Intelligent Digital Signage towards Achieving Smart City Success
- 2018 ... Development of a Prototype Monitoring and Control System for Level Crossing Barrier Systems to Prevent Railroad-Local Road Crossing Accidents