

PERSONAL DATA

Name : DR. NOPPON LERTCHUWONGSA
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PUBLICATIONS SUMMARY

3

International Journal

1

National Journal

8

International. Proceedings

4

National. Proceedings

Total Publications: 16

EDUCATION

Ph.D. Degree	2011	Doctorat en physique (thesis: Segmentation couleur multi caractéristiques appliquée à la stereovision) Très Honorable At Ecole doctoral: Sciences et Technologies de l'information, des Télécommunications et des Systèmes, Université Paris XI, Paris, France.
Master Degree	2004	Masters Degree in Electrical Engineering (thesis: Fingerprint detection by wavelet feature) At King Mongkut's Institute of Technology Ladkrabang, Bangkok, Thailand.
Bachelor Degree	1999	B.Eng. Degree in Telecommunication Engineering (Major: Signal Processing) Second Class Honorable At King Mongkut's Institute of Technology Ladkrabang, Bangkok, Thailand.

RESEARCH INTERESTS

Automatic systems



Color Computer Vision



Sensors



RESEARCH PROJECTS

Computer vision application on computer, mobile, Raspberry-Pi IoT systems.

TEACHING

Signal & Image processing
Circuit & Basic Electronic
SPECIAL TOPICS IN INTELLIGENT OBJECTS I (NEURAL NETWORK AND DEEP LEARNING FOR COMPUTER VISION)

TRAINING

1. Deep Learning and Reinforcement Learning, an online non-credit course authorized by IBM and offered through Coursera.
2. Machine Learning Introduction for Everyone, an online non-credit course authorized by IBM and offered through Coursera.

OTHERS

2022 บริการวิชาการ ที่ปรึกษาด้านการวิเคราะห์ข้อมูล (Data analytic) และการจัดทำข้อมูลที่เข้าใจได้ง่ายจากรูปภาพและปรับแต่งได้ (interactive data visualization) ให้กับบริษัท PROFOUND EDUCATION SERVICES ENTERPRISE PART., LTD

INTERNATIONAL JOURNAL ARTICLES

N. Lertchuwongsa and K. Kanjanasit, "A Novel Trans-Dataset Ensemble Architecture for Sign Language Recognition," *Journal of Advances in Information Technology*, Vol. 15, No. 12, pp. 1315-1328, 2024.

🔗 <https://www.jait.us/show-247-1610-1.html>

📅 12/2024 🌐 ESCI (Web of Science), Scopus, CNKI

N. Lertchuwongsa, M. Gouiffès, B. Zavidovique, Enhancing a disparity map by color segmentation, *Integrated Computer-Aided Engineering*, Volume 19, Number 4 / 2012, p. 381-397

📅 1/2012

N. Lertchuwongsa, M. Gouiffès, B. Zavidovique, Mixed color/level lines and their stereo-matching, with a modified Hausdorff distance, *Integrated Computer-Aided Engineering*, vol. 18, no. 2, pp. 107-124, 2011

📅 1/2011

NATIONAL JOURNAL ARTICLES

นพพน เลิศชูวงศา และ นิพนธ์ ปริญญาภูมิชัย. 2560. การปรับปรุงเทคนิคการทำเหมืองข้อมูลเพื่อความเข้าใจพฤติกรรมกรรรมการยืมหนังสือในห้องสมุดที่ดีขึ้น, *วารสารราชชนก* Vol.14(32), p. 133-144

📅 1/2017

K. Silanon and N. Lertchuwongsa, "A Novel Classification Layer Technique for ASL Analysis Using CNN," 2023 20th International Joint Conference on Computer Science and Software Engineering (JCSSE), Phitsanulok, Thailand, 2023, pp. 118-122.

<https://ieeexplore.ieee.org/document/10202089>

5/2023 Computer vision

L. Noppon and P. Nipon, "The Application of Convolution Neural Network for Coconut Maturity Classification," Proceedings of the 18th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI-CON), Chiang Mai, Thailand, pp. 112-115, 2021.

5/2021 Computer vision

L. Noppon and P. Nipon, (2019). Adapting a Stereo Camera System to Determine Coconut Ages. *Proceedings of 16th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI-CON)*, Pattaya, Chonburi, Thailand, 2019, pp. 802-805

6/2019 Computer Science

Kanghae, S., and Lertchuwongsa, N. 2017. Dental shade with histogram comparison in android. Proceedings of the 8th PSU-UNS International Conference on Engineering and Technology. Paper No. T4-1.2 Page 1-4 (Presentation date: 10 June 2017)

1/2017

A. Heednacram and N. Lertchuwongsa, Information Technology for Reducing Earthquake Impacts on Phuket Tourism, International Conference on 1st Annual PSU Phuket International Conference 2012.

1/2012

N. Lertchuwongsa, M. Gouiffès and B. Zavidovique, "Mixed color/level lines and their stereo-matching with a modified Hausdorff distance", International Conference on Informatics in Control, Automation and Robotics, Funchal, Madeira - Portugal, June 15-18 2010, pp.122-127

6/2010 Computer vision

N. Lertchuwongsa and S. Nopanakeepong, "Searching Reference Point from Directional Pattern Using Wavelet Technique," Proceeding of IEEE 2001 International Symposium on Communications and Information Technology, Chiangmai, Thailand, November 14-16 2001, pp. 381-384.

11/2001 Computer vision

N. Lertchuwongsa and S. Nopanakeepong, "Wavelet Analysis for Finding Reference Point by Using Parameter from Directional Gaussian," Electrical Engineering Conference 24th, Bangkok, Thailand, November 22-23 2001, pp. 105-108.

11/2001 Computer vision

NATIONAL PROCEEDINGS

C. Natthapon and L. Noppon, "Smart IP Camera with Deep Learning", Proceedings of 17th National Conference on Computing and Information Technology, (NCCIT), Bangkok, Thailand, pp. 373-378, 2021.

5/2021 Computer vision

Phimwadi Kanjanopas, Noppon Lertchuwongsa. (2020). Cat detection and Warning. Proceedings of the ECTI-CARD 2020. pp. 189-193.

5/2020 Computer Science

วิรัตน์ พรหมเมศ และ นพพน เลิศชูวงศ์. 2015. Security controlled system on raspberry pi with Eigen face technique and illumination change. Proceedings of the ECTI-CARD 2015. Page: 205-209. (Presentation date: 9

July 2015)

๓ 1/2015

กิติภูมิ เพ็ชรรักษ์ และ นพพน เลิศชูวงศา. 2015. Kinect sensor for patient aiding system, Proceedings of the AUC2 conference 2015. Page:247-251. (Presentation date: 29 April 2015)

๓ 1/2015

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COLLEGE OF COMPUTING

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