PERSONAL DATA



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PUBLICATIONS SUMMARY

2	12	3
International Journal	International. Proceedings	National. Proceedings

Total Publications: 17

EDUCATION

Master Degree	2008	M.Eng. in Computer Engineering, Prince of Songkla University (PSU), Thailand
Bachelor Degree	2004	B.Eng. in Computer Engineering, Prince of Songkla University (PSU), Thailand

RESEARCH INTERESTS

Image Enhancement, Image Classification, Object Tracking & Recognition, Sensors & IoT, Light field imaging

Image Processing

Light Field Imaging

Sensors&IoT

TEACHING

241-209 Basic Electronics

241-480 Image Processing
240-101 Introduction to Computer Programming
240-208 Digital Logic and Design
240-310 Algorithms:Design&Analysis
977-114 Digital Logic and Design
977-341 Sensors and Microcontroller Interface
980-023 PSU Volunteer
969-051 Change your thoughts, Change your life

INTERNATIONAL JOURNAL ARTICLES

Wisarut Chantara and Moongu Jeon, "All-in-Focused Image Combination in the Frequency Domain Using Light Field Images," Applied Sciences, 9(18), 3752, Sep, 2019

https://doi.org/10.3390/app9183752

9/2019 *Scopus*

Wisarut Chantara, Ji-Hun Mun, Dong-Won Shin and Yo-Sung Ho, "Object Tracking using Adaptive Template Matching," IEIE Transactions on Smart Processing & Computing, Vol.4, No.1, pp 1-9, Feb., 2015

https://doi.org/10.5573/IEIESPC.2015.4.1.001

2/2015 *Scopus*

INTERNATIONAL PROCEEDINGS

C. Thaenchaikun, K. Kanjanasit and **W. Chantara**, "Enhancement of Network Performance Using Sigmoid-Based Metrics on a Routing Protocol," 2025 22nd International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI-CON), Bangkok, Thailand, 2025, pp. 1-6, doi: 10.1109/ECTI-CON64996.2025.11100445. *https://ieeexplore.ieee.org/document/11100445*

5/2025 *ECTI, IEEE*

W.Chantara, "Multi-focus Image Fusion using Modified Stationary Wavelet Transform," The 2nd Workshop on Biomedical Electricals-Electronics and Communications Engineering, 2021, Ayutthaya, Thailand, p.16.

12/2021 *ECTI*

W. Chantara, Ji-Hun Mun and Y. S. Ho, "Efficient Depth Estimation for Light Field Images," Asia-Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC), 2018, Honolulu, Hawaii, USA, pp.1499-1502.

https://doi.org/10.23919/APSIPA.2018.8659647

11/2018 *IEEE, SCOPUS*

W. Chantara and Y. S. Ho, "Multi-focus Image Fusion for Extended Depth of Field," Proceedings of the 10th International Conference on Internet Multimedia Computing and Service (ICIMCS), 2018, Nanjing, China, pp 1-4.

https://doi.org/10.1145/3240876.3240894

8/2018 *ACM, SCOPUS*

W. Chantara and Y. S. Ho, "Initial Depth Estimation using Adaptive Window Matching with Light Field Image," Proceedings of the International Workshop on Advanced Image Technology (IWAIT), 2018, Chiang Mai, Thailand, pp.1-3.

https://doi.org/10.1109/IWAIT.2018.8369722

1/2018 *IEEE, SCOPUS*

W. Chantara and Y. S. Ho, "Initial Depth Estimation using EPIs and Structure Tensor," Asia-Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC), 2017, Kuala Lumpur, Malaysia, pp.1-4

https://doi.org/10.1109/APSIPA.2017.8282054

12/2017 IEEE, SCOPUS

W. Chantara and Y. S. Ho, "Measure of Image Focus using Image Segmentation and SML for Light Field Images," Asia-Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC), 2016, Jeju, Korea, pp.1-4

https://doi.org/10.1109/APSIPA.2016.7820731

12/2016 IEEE, SCOPUS

W. Chantara and Y. S. Ho, "Image Fusion using Image Blocks and Modified Discrete Wavelet Transform," International conference on embedded systems and intelligent technology (ICESIT), 2016, Chonburi, Thailand, pp.47-49.

https://pdfs.semanticscholar.org/5877/642a9e11969e0db3486ce923282c68e25bc3.pdf

8/2016

W. Chantara and Y. S. Ho, "Focus Measure of Light Field image using Modified-Laplacian and Weighted Harmonic Variance," Proceedings of the International Workshop on Advanced Image Technology (IWAIT), 2016, Busan, Korea, pp.3C-4(13-16).

https://www.semanticscholar.org/paper/Focus-Measure-of-Light-Field-image-using-and-Chantara-Ho/36f5ba34f13763d6f21c2be9ee1fee99ed60dc8a

1/2016

W. Chantara and Y. S. Ho, "Object Searching with Combination of Template Matching," Pacific Rim Conference on Multimedia, 2015, Gwangju, Korea, pp.32-41.

https://doi.org/10.1007/978-3-319-24075-6_4

9/2015 Spinger, SCOPUS

W. Chantara and Y. S. Ho, "Object Detection based on Fast Template Matching through Adaptive Partition Search," 12th International Joint Conference on Computer Science and Software Engineering (JCSSE), 2015, Hatyai, Thailand, pp.1-6

https://doi.org/10.1109/JCSSE.2015.7219760

7/2015 IEEE, SCOPUS

W. Chantara and Y. S. Ho, “Light field cameras: Properties and applications,” International conference on embedded systems and intelligent technology (ICESIT), 2014, Gwangju, Korea, pp. 35-38.

9/2014

NATIONAL PROCEEDINGS

W. Chantara and Y. S. Ho, "Reconstruction light field image for compression," SmartMedia (Fall Semester) Conference, 2016, Korea, pp. 75-76.

http://calsec.or.kr/databank/proceeding/2016fc_paper.pdf

10/2016 KISM

W. Chantara and Y. S. Ho, "Multi-focus Image Fusion based on Improved DWT for Light Field Camera," SmartMedia (Spring Semester) Conference, 2016, Korea, pp. 149-151.

http://calsec.or.kr/databank/proceeding/2016sc_paper.pdf

4/2016 KISM

W. Chantara and Y. S. Ho, "All-focused Image Generation using Light Field Camera," SmartMedia (Fall Semester) Conference, 2015, Korea, pp. 263-266.

11/2015 KISM

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