

## PERSONAL DATA



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## PUBLICATIONS SUMMARY

2

International Journal

12

International. Proceedings

3

National. Proceedings

Total Publications: 17

## EDUCATION

<b>Ph.D. Degree</b>	Current	Ph.D. Candidate, Gwangju Institute of Science and Technology (GIST)
<b>Master Degree</b>	2008	M.Eng. in Computer Engineering, Prince of Songkla University (PSU), Thailand
<b>Bachelor Degree</b>	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. Thaenchaijun, 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](https://doi.org/10.1007/978-3-319-24075-6_4)

9/2015 Springer, 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](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](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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