

## PERSONAL DATA



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## 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*



*Sensors&IoT*



*Light Field Imaging*



## 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

**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

**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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