

## PERSONAL DATA



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## EDUCATION

Ph.D. Degree	Current	Ph.D. Candidate, Gwangju Institute of Science and Technology (GIST)
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



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)

**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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