

**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

## INTERNATIONAL JOURNAL ARTICLES

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**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

📅 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

📅 2/2015 📄 Scopus

## INTERNATIONAL PROCEEDINGS

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**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** 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.

📅 1/2018 📄 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.

📅 8/2018 📄 ACM, SCOPUS

**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.

📅 11/2018 📄 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

📅 12/2017 📄 IEEE, SCOPUS

**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).

📅 1/2016

**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.

📅 8/2016

**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

📅 12/2016 🏠 IEEE, 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

📅 7/2015 🏠 IEEE, SCOPUS

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

📅 9/2015 🏠 Springer, 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, "Multi-focus Image Fusion based on Improved DWT for Light Field Camera," SmartMedia (Spring Semester) Conference, 2016, Korea, pp. 149-151.

📅 4/2016 🏠 KISM

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

📅 10/2016 🏠 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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