# 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

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

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## 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.

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- **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
- 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 

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- **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
- **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
- **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 
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- **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).
- ${\it https://www.semanticscholar.org/paper/Focus-Measure-of-Light-Field-image-using-and-Chantara-Ho/36f5ba34f13763d6f21c2be9ee1fee99ed60dc8andersender$
- 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
- **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
- iii 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.
- III 11/2015 ♥ KISM

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#### **COLLEGE OF COMPUTING**

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