Appendix 2.2

Report of International Conference Presentation

Name: (Presenter)	Surasak Boonkla
Affiliation:	National Electronics and Computer Technology Center
Project Title:	A Coastal Erosion Monitoring Platform Based on Wireless Sensor Networks and 3D Point Clouds from Airborne LiDAR
Name of International Conference: (Link to website)	The 16th International Conference on ICT Convergence (ICTC 2025) (https://ictc.org/)
Title of Research Paper:	Wave Direction Estimation from Optical Satellite Imagery Using Multi-Stage Gabor Filter
Name of all Co-authors (if any)	Waranrach Viriyavit, Komate Amphawan, Chanyut Lisawat, Kittipisut Chansri, Somrudee Deepaisarn, Paweena Kanokhong, Chakapat Chokchaisiri, Woramet Simrum, Akkharawoot Takhom, Phutphalla Kong, Didin Agustian Permadi, Sharifah Hafizah Syed Ariffin, Surasak Boonkla, Kasorn Galajit, and Jessada Karnjana

Comments or feedback received at the conference and your answers:

Question from chair: What is the relation used in the computation between the kernel and the input image?

Answer: To estimate the wave direction of the input image, I used the right kernel. You can see it on the slide. If the wave direction of the kernel image steering in the same direction with that in the input image, the convolution, which is multiply and sum operation, between the input and this kernel will give maximum value. Therefore, I used several kernels steering in angles between 0 to 180 and find the angle that give maximum convolution. Therefore, the relation I used in this computation is the convolution.

Contribution to the project:

The conference covers broad range of technical papers. My session is mainly about the topics of machine learning. The papers came from different fields. Only my paper contributes to the project.

[Required Documents]

A) Presentation Materials (e.g., PPT slides)

B) Final Program of the conference

Reporter: _____ Surasak__Boonkla _____

Date: _____24/10/2025_____