

PROGRAMME

13th HCU National and International Conference

Theme: *Research to Serve Society*

24th July 2026

Huachiew Chalermprakiet University

Bangphli District, Samutprakarn

Thailand

Parallel Session 9 : Inter - Science and Technology

Venue : Room 402 Floor 4 Building A

Moderator : Assoc.Prof.Dr.Prayoonsak Pluengphon / Dr.Chatchawan Changtam

Coordinator : Miss Monsicha Pinthong

Time	Title	Presenter
13.00 - 13.15	1. GeoStream: Design and Implementation of a Flood Information Management System for Urban Flood Risk Management	Angel Bien N. Casañares, Gracien T. Esmeralda, Carlo A. Sayson, Cennedy Jay O. Timola, Brian Steven G. Pajarillo (STI WNU)
13.15 - 13.30	2. Development of a Simple, Low-Cost, and Portable In-House Air Sampling Device for Heavy Metal Contamination in Airborne	Apinya Navakhun, Natnicha Seeladlao (Burapha U)
13.30 - 13.45	3. Earthquake Safety of Concrete Hollow Blocks (CHB) Buildings in Naguilan, La Union	Reintjie L. Dizon, Jayvi Bryan C. Gutierrez, Reynald P. Lucero, Zhean Gwyneth B. Macagba, Benedict R. Ong, James Alfred D. Viluan (SLC)
13.45 - 14.00	4. VISCANE: An Edge-Based AI System for Sugarcane Quality Grading and Maturity Detection Using RGB-HSV Imaging	Faye N. Cuevas, Windy D. Elipse, John Rolo C. Flores, Lynol I. Ibarra, Raymart B. Abella (STI WNU)
BREAK		
14.00 - 14.15	5. <i>AlistodDalang</i> : An IoT-Driven, Solar-powered Fire Detection Sensor and Real-Time Alert System for the Remote Areas	Bryan O. Mislang, Angel Aizy F. Madelo, Tristan D. Borromeo,

		Omar Mohammed Hussien Al-awlaqi (STI WNU)
14.15 - 14.30	6. Predictors of Adoption of an Automated Rice Monitoring and Management System Among Farmers in Pangasinan, Philippines	Febrey C. Lamsen (L-NU)
14.30 - 14.45	7. HealGuide: Bridging Community Health Gaps Through Digital Symptom Guidance and Affordable Home Remedies	Precilda C. Blaza (L-UN)

Remarks: There may be changes to the order of presentation without prior notice.