



TJ-SSF2023



21 December 2023

Program for Oral Presentation Physics 1 Sessions

Smart Classroom 2202



**Asst. Prof. Dr.
Apishok Tangtrakarn**

Department of Physics
Faculty of Science
Khon Kaen University



**Asst. Prof. Dr.
Nuwat Phimpabut**

Department of Physics
Faculty of Science and Technology
Loei Rajabhat University

Thai Time	No.	ID	Title
09.30-09.45	1	PH-01T	The ESP-Based Dust and CO Detectors for Exhaust Emissions
09.45-10.00	2	PH-02T	Development of a rubber density analyzer
10.00-10.15	3	PH-22J	Attempted Experiments under Microgravity
10.15-10.30	4	PH-23J	Exploration of artificial snow production
10.30-10.45	5	PH-14T	Investigation of Styrofoam Ball Stability in Acoustic Field
10.45-11.00	6	PH-17J	The fusion of earthquake proof construction and Thailand's traditional stilt house
11.00-11.15	7	PH-18J	The best earthquake-resistant structure of building using bamboo structure
11.15-11.30	8	PH-11T	The Electric Physical Therapy Bike
11.30-11.45	9	PH-24J	Development of a small-scale airborne wind power generator using kites.
11.45-12.00	10	PH-08T	Research and Development of a Reusable Solid-Fuel Model Rocket using an Autonomously Controlled Wings
13.30-13.45	11	PH-03T	Comparison performance of cushioning from bagasse extracted with alkali
13.45-14.00	12	PH-12T	The efficiency of the Fertilizer Spreader in the rubber plantation in Songkhla province
14.00-14.15	13	PH-26J	Analysis of Spectra Utilizing Spectrograph



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**Assoc. Prof. Dr.
Theerapong Puangmali**

Department of Physics
Faculty of Science
Khon Kaen University



**Asst. Prof. Dr.
Pimpunyawat Tummungpak**

Department of Physics
Faculty of Science
Khon Kaen University

Thai Time	No.	ID	Title
09.30-09.45	1	PH-19J	Behavior of the balls dropped in a shear thickening
09.45-10.00	2	PH-04T	Vertical hydroponic garden planter for Wolffia Arrhiza
10.00-10.15	3	PH-05T	Development of an innovative prototype to collect water from the air
10.15-10.30	4	PH-25J	SMART PILLOW
10.30-10.45	5	PH-06T	Study of mechanical and physical properties of mulch biofilm based on carboxymethyl cellulose extracted from water hyacinth and rice straw
10.45-11.00	6	PH-07T	Comparison of physical properties and performance of oil palm fiber paper cooling pads and commercial cooling pads for evaporative cooling systems
11.00-11.15	7	PH-21J	Developing a Power Generator with Peltier Elements
11.15-11.30	8	PH-09T	Comparison of Wet and Dry Wipes Mixed with Essential Oil from Kaffir Lime
11.30-11.45	9	PH-10T	Underwater Resource Exploration Drone
11.45-12.00	10	PH-13T	Hybrid Solar Management System for Electric Vehicles
13.30-13.45	11	PH-15T	Study of the factors affecting sound characteristics of Siren
13.45-14.00	12	PH-20J	Vibration of Violins' soundboard
14.00-14.15	13	PH-16J	Check strength of the Hinoki Squared Lumber