



# Siam Physics Congress 2018

## Monday, 21 May 2018

### A2: Phys Ed, Plasma, and Nuclear Fusion - Uthai Thani Room (13:45 - 15:15)

-Conveners: Suwit Kiravittaya

time	[id] title	presenter
13:45	[463] Investigation of Cold Atmospheric Plasma induce Apoptosis in Cancer Cell	Mr NUPANGTHA, Wasin
14:00	[424] Development of Problem-solving Skill by Using Active Learning for Student Teachers in Introductory Physics	□□□□□□□□□□, □□□□□□
14:15	[449] KVIS-ISB Student Research Collaboration Program	Dr MEDHISUWAKUL, Min Dr EALES, Jonathan
14:30	[508] Paddle Angle and Ball Spin in Table Tennis	Mr CHEN, Alexander Mr BROCA, Binvant KRAIVISITKUL, Napath Mr POPROM, Phuri
14:45	[509] Fluid Density and Impact Cavity Formation	Mr LIN, Ga-Chun Mr MICHELIN, Allan Mr SIRIWANNA, Damrongrat Mr TANALIKHIT, Pattarapon
15:00	[497] Drag Force on Cars in Flooded Streets	Mr HASUWANNAKIT, Chanon Mr MILLANA, Nico Angelo Mr YOADSANIT, Seksan

### A2: Phys Ed, Plasma, and Nuclear Fusion - Lop Buri Room (13:45 - 15:15)

-Conveners: Umporn Wutchana

time	[id] title	presenter
13:45	[456] An activity sheet for teaching double-slit interference	Mr JIWALAK, Ariyaphol
14:00	[470] Machine Learning system mimicking student's choice in Particle Data Analysis lab activity	WACHIRAPUSITANAND, Vichayanun
14:15	[516] Impact of context on students' conceptual understanding about mechanical wave speed	Mr REYES, Michael Gavriel
14:30	[565] An equipment design to verify Boyle's law	Dr KANCHANAPUSAKIT, Wittaya
14:45	[591] Analysis of Understanding in the Speed of an Electromagnetic Waves and in the Principle of Refraction: a Case Study of KMUTT (Ratchaburi) Engineering Freshmen	Dr LEKPRASERT, Banyat
15:00	[624] Determining the degree to which a hen's egg is cooked by boiling	Ms BOONKIRD, Artittaya

### A2: Phys Ed, Plasma, and Nuclear Fusion - Lop Buri Room (15:30 - 17:30)

time	[id] title	presenter
15:30	[647] Surface Water Wave Topography Construction using Free Surface Synthetic Schlieren Method for Ripple Tank Wave Phenomena Demonstration	Mr YAPO, Sitthipong

15:45	[652] Problem based learning: How can electricity cause the house fire?	Ms KALAYA, Tanatorn
16:00	[653] Evaluation of Thai students and teacher's attitudes in physics using Colorado Learning Attitudes about Science Survey (CLASS)	SUWONJANDEE, Narumon
16:15	[680] Low-cost demonstration kit for the blood-color lunar eclipse formation	Dr KRITTINATHAM, Watcharawuth
16:30	[681] Development of Arduino-based Logic Gate Training Kit	Ms KHAING, Shwe War
16:45	[755] Investigation of Half-Ring Vortices Generated by Half-Submerged Thin Circular Plate Using Digital Particle Image Velocimetry Method	Mr PIUMSUWAN , Tanat
17:00	[765] EFFECT OF ROTATING BLADES INSTALLED ABOVE THE HEATING SURFACE ON THE NUCLEATE BOILING HEAT TRANSFER ENHANCEMENT	Mr SURIYAWONG, Adirek
17:15	[767] Number of Blades of Rotating Blades Effected on the Nucleate Boiling Heat Transfer Enhancement of distilled water	Mr SURIYAWONG, Adirek