

Session Program

20-22 May 2015

Siam Physics Congress 2015

Physics Education (APRU)

Wednesday 20 May

14:00

Physics Education (APRU)

Session | Location: White Lotus

14:00–14:30 **The silent killer of learning**

Speaker

Prof. Eric Mazur

14:30–14:45

A Possible Route to Reverse Declining Trend in Student Performance at First-year University Physics Course

Speaker

Dr Sirapat Pratontep

14:45–15:00 **Team Teaching in First-Year Physics Class**

Speakers

Kwan Arayathanitkul, Narumon Emarat

15:00–15:15 **Students' physics laboratory skill in measurement and uncertainty**

Speaker

Mr Ariyaphol Jiwalak

15:15–15:30

Measurement of Triboelectric Charges by Using Faraday's Cage and Darlington Transistor Circuit

Speaker

Ms Chitchanok Lesak

15:30–15:45 **A Robust and Scalable Framework for Question-Answering in Physics**

Speaker

Bimba Andrew

15:45–16:00

Physics students' understanding and problem-solving process of Gauss's law

Speaker

Mr Panat Nanthanasit

16:00–16:15

The Use of Interactive Lecture Demonstration to Teach High-School Physics in Magnetic Force on a Moving Charged Particle

Speaker

Mr Nuttawoot Sricharoenchai

16:15–16:30

Using Modules to Teach Conservation of Momentum to High-School Students

Speaker

Mr Trai Unyapoti

16:30-16:45

Teaching Problem-Solving Strategy in Circular Motion to First-Year Science Students

Speaker

Ms Arunee Eambaipreuk

16:45-17:00

Enhancing Students' Understanding in Simple Harmonic Motion by Using Video Analysis

Speaker

Ms Jiraporn Boonpo

17:00-17:15

Investigating ideas of Phayao high school students about Kepler's law motions and Classical Mechanics

Speaker

Dr Watcharawuth Krittinatham

17:15-17:30

A surveying of high school students' understanding of buoyant force

Speaker

Mr Chatchai Hussadorn

17:30

Thursday 21 May

13:30

Physics Education (APRU)

Session | Location: Phokeethra 2

14:30

13:30-14:30

Teaching Physics, Conservation Laws First

Speaker

Prof. Eric Mazur