

# **Thursday 9 June**

08:30

# Session XV: Tr. 15 Physics Education

**Session** | **Location:** Room Anek

# 08:30-08:45

Students' Alternative Conception in Vector Components with and without Physical **Context** 

### Speaker

Dr Umporn Wutchana

# 08:45-09:00

Teaching Two-Dimensional Collision Using Momentum Vector Diagrams

### **Speaker**

Mr Trai Unyapoti

# 09:00-09:15

Effectiveness of Including Problem-Solving Strategy in Circular Motion in an **Introductory Physics Lecture** 

# Speaker

Ms Arunee Eambaipreuk

09:15-09:30 Wireless Ticker as a Learning Tool in Physics

# Speaker

Ms Kanokwan Chongcharoen

# 09:30-09:45

Peer Instruction in Physics Recitation: A Case Study of Mechanics for **Undergraduate Course** 

# Speaker

Dr Sumalee Waiyarod

# 09:45-10:00

Rocket propulsion activity at Mahidol witthayanusorn School

# Speaker

Mr Ratchanikorn Koomramyakul

# 10:00-10:15

Using 3-axis accelerometer sensor to determine pendulum motion and gravitational field

# Speaker

Mr Pisut Thanthong

10:30