

## **Session Program**

**24-26 May 2017**



# **Siam Physics Congress 2017**

## ***A5: Nanoscale and Surface***

Rayong Marriott Resort & Spa

<http://www.marriott.com/hotels/travel/bkkrr-rayong-marriott-resort-and-spa/> Rayong, Thailand

## Wednesday 24 May

16:10

### A5: Nanoscale and Surface

**Session** | **Location:** Sync room | **Conveners:** Prof. Sirikanjana Thongmee, Prof. Weeraphat Pon-on

16:10–16:35

#### Recent Development of Nanoparticle Thin Films Prepared by Sparking-off Metal Wire Tips

##### Speaker

Dr Pisith Singjai

16:35–16:50

#### Colorimetric plasmon sensor for mercury ion detection using gold nanoparticles

##### Speaker

Ms Thananan phetkongtong

16:50–17:05

#### Study of the Mechanism how Carbon Nanoparticles Can Improve the Mechanical Properties of Natural Rubber using Multi-scale Molecular Dynamics Simulation

##### Speaker

Mr Jiramate Kitjanon

17:05–17:20

#### Novel atmospheric process for large area perovskite solar cells via modified 2 step method

##### Speaker

Atthaporn Ariyarit

17:20–17:35

#### Optical properties of $\text{Cu}(\text{In,Ga})\text{Se}_{2-x}\text{S}_x$ thin films with ultra-thin $\beta\text{-Cu}(\text{In,Ga})\text{Se}_{2-x}\text{S}_x$ capping layer

##### Speaker

Ms Boonyaluk Namnuan

17:35–17:50

#### Microspheres pattern forming using self-assembly template prepared by convective deposition

##### Speaker

Nonthanan Sitpathom

17:50–18:05

#### Characteristics and Magnetic Properties of Anchored $\text{Fe}_3\text{O}_4$ Nanoparticles in Bacterial Cellulose Scaffold

##### Speaker

Nipaporn Sriplai

18:05