

Session Program

20-22 May 2015

Siam Physics Congress 2015

***Atomic Physics, Quantum Physics, Molecular
and Chemical Physics***

Thursday 21 May

08:00

Atomic Physics, Quantum Physics, Molecular and Chemical Physics

Session | Location: Hemingways' Lounge

08:00–08:15

Adiabatic Interaction between Rydberg Atom and Ground-State Atom

Speaker

Waranont Anukool

08:15–08:30

Single Rubidium-85 Atom in a Far Off-resonance Dipole Trap

Speakers

Mr Nuttanan Tanasanchai, Waranont Anukool

08:30–08:45

Four Level Dynamic in Rubidium-85 Magneto-Optical Trap

Speakers

Rattakorn Kaewuam, Waranont Anukool

08:45–09:00

Concentric-Ring Atom Interferometer

Speaker

Kritsana Srakowl

09:00–09:15

Split-Operator Method for Fabry-Perot Interferometry

Speaker

Jindaratsamee Phrompao

09:15–09:30

The study of Cavity Quantum Electrodynamics as a heralded quantum memory

Speaker

Apichayaporn Ratkata

09:30–09:45

Phase structure and microstructure of CaZrO₃ powder prepared by molten salt method

Speaker

Ms Wasuporn Hirunsit

09:45–10:00

Quantum Algorithm for Finding Roots of n^{th} Degree Polynomials

Speaker

Mr Theerapat Tansuwannont

10:00–10:15

Rashba Effect from Schwinger's Oscillator Model

Speaker

Mr Hariphan Philathong

10:45