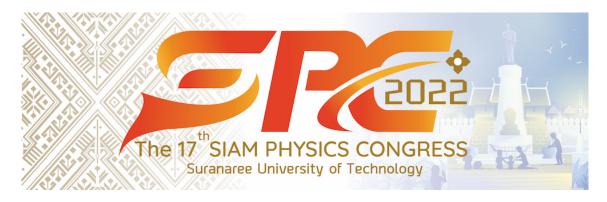
Session Program

22-24 Jun 2022



Siam Physics Congress 2022 (SPC2022) S2 Condensed Matter Physics

Thursday 23 June

10:45

S2 Condensed Matter Physics: Oral presentation 3

Session | Location: TURQUOISE

10:45-11:15 Alkali titanates as a bride for solid state chemistry and soft matter

Speaker

Tosapol Maluangnont

11:15-11:30

External pressure effects on superfluid density of isotropic s-wave superconductors

Speaker

Grittichon Chanilkul

11:30-11:45

The temperature dependent surface critical magnetic field (Hc 3) of K $^{0.73}$ Fe $^{1.68}$ Se 2 \$ superconductor by semi-anisotropic two band Ginzburg-Landau approach

Speaker

Ms Suppanyou Meakniti

11:45-12:00

Effect of annealing temperature on the structure and hardness of DC reactive magnetron sputtered CrAIN thin films

Speakers

Dr Nirun Witit-anun, Dr Adisorn Buranawong

12:00

Friday 24 June

09:00

S2 Condensed Matter Physics: Oral presentation 3

Session | Location: TURQUOISE

09:00-09:30 Magnetic Bacterial Cellulose and Carbon Fiber Nanocomposites

Speaker

Supree Pinitsoontorn

09:30-09:45

Characterization of TiN thin film deposited by reactive DC unbalanced magnetron sputtering at different N2 flow rates

Speaker

Dr Siriwat Alaksanasuwan

09:45-10:00

Improvement in Reproducibility of Large-scale Perovskite Solar Cells Using Automatic Liquid Injection in Antisolvent Method

Speaker

Watcharakiart Insri

10:00-10:15

Synthesis of (Zn + Nb) co-doped TiO2 rutile nanoparticles and dielectric properties

Speaker

Theeranuch Nachaithong

11:30

10:15

S2 Condensed Matter Physics: Oral presentation 3

Session | **Location:** TURQUISE

11:30-11:45

Giant Dielectric Response and Maxwell-Wagner Relaxation in Isovalent and Pentavalent Co-doped Rutile-\$TiO_{2}\$

Speaker

Ms Yasumin Mingmuang

11:45-12:00

Versatile, Low-Cost, and Portable 2D Material Transfer Setup with a Facile and Highly Efficient DIY Inert-Atmosphere Glove Compartment Option

Speaker

Harihara Ramamoorthy

12:00

13:00

S2 Condensed Matter Physics: Oral presentation 10

Session | **Location:** TURQUISE

13:00-13:30

Electron-pinned defect-dipole and internal/surface barrier layer capacitor effects for high-performance giant dielectric oxides

Speaker

Prasit Thongbai

13:30-13:45

Improving Heterointerface Abruptness of InGaAs/InP Superlattice by Optimizing a Purging Period of Group-V Gas

Speaker

Dr Warakorn Yanwachirakul

13:45-14:00

EFFECT OF ANNEALING CONDITIONS ON VO2 THIN FILMS PREPARED BY SOL-GEL METHOD

Speaker

Mr Pongsatorn Panburana

14:00-14:15

PREPARATION OF UIO-66-MOFs FROM PLASTIC BOTTLE WASTE FOR GAS ADSORPTION MATERIAL APPLICATION

Speaker

Chawisa Visanupornprasit

14:15-14:30

Ab-initio study and Atomistic spin model simulations of α-Cr2O3 thin films

Speaker

Mr Boonthum Kunyangyuen

14:30-14:45

Classification of metal polyhydride critical temperature using support vector machine

Speaker

Vichayuth Imchitr

14:45-15:00

On the origin of high performance V2O5 cathodes of aqueous Mg-ion batteries: A computational study

Speaker

Panupol Untarabut

15:00-15:15

First principles study on thermal conductivity of nitrogen substituted diamane

Speaker

Mr Sakarn Khamkaeo

15:15-15:30

First-principles prediction of configurational order-disorder phase transition in $((Ti_{1-x})^{1/3}\Mo_{2/3})^{1/3}\Mo_{2/3}^{1/3}\$

Speaker

Chayanon Atthapak

15:30-15:45

Fabrication and characterization of the Si p-n junction prepared by thermal diffusion

Speaker

Mr Nanthawat Toarun

15:45-16:00

Synthesis of antibacterial nanofibers composite from poly butylene succinate and copper nanoparticle as a filter layer in a surgical mask

Speaker

Jaggawut Suwannachot

16:00-16:15

High-Performance Giant Dielectric Properties of (Tb+Nb) Co-Doped TiO2 Ceramics

Speaker

Mr Noppakorn Thanamoon

16:30