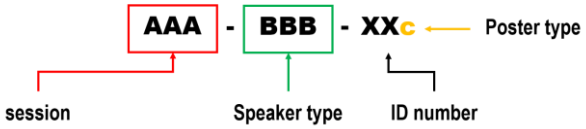
POSTER SESSION

Thursday, 2nd August 2018
13:50-15:40, 3rd Floor, MHMK Building

Printed posters should be mounted beginning at 8:00 on Thursday 2nd Aug and MUST be removed by 18:00 on the same day. Posters are arranged according to research areas. There will be e-posters and printed posters.

Both e-Posters and printed posters with an odd ID number should be presented from 13:55-14:45.
Both e-Posters and printed posters with an even ID number should be presented from 14:45-15:35.
Coffee break begins at 14:30 in the poster session area.

Presentation Code Definition



AAA:	BIO	= Computational Biology, Bioinformatics, Biochemistry and Biophysics
	CHE	= Computational Chemistry
	PHY	= Computational Physics, Computational Fluid Dynamics and Solid Mechanics
	HPC	= High Performance Computing, Computer Science, Mathematics and Engineering
BBB:	INV	= Invited Speaker
	ORA	= Oral Presenter
	POS	= Poster Presenter
XX :	ID number	

c: the letter indicates the presenter who is going to present their work in both ORAL and POSTER sessions.
Poster type is indicated as following:

t	= Paper printed poster
e	= E-poster

Computational Biology, Bioinformatics, Biochemistry and Biophysics Session

Code	Presenter	Title
BIO-POS-01	Nitchakan Darai Chulalongkorn university	*In silico* screening of chalcones against Epstein-Barr Nuclear Antigen 1 protein in Epstein-Barr virus.
BIO-POS-02	Jirayu Kammarabutr Chulalongkorn University	In Silico Studies on Potential Compounds against of Viral Hepatitis B Reverse Transcriptase
BIO-POS-03	Sasipha Seetin Kasetsart university	Binding investigation of pyrazine derivative against Glycogen synthase kinase-3 (GSK-3β) via in silico molecular dynamics simulations
BIO-POS-04	Nayana Bhat Chulalongkorn university	Molecular insights into substrate binding mechanism of Glycerophosphoethanolamine to Glycerophosphodiesterase.
BIO-POS-05	Kowit Hengphasatporn Chulalongkorn University	Homopharma-Based Identification Target of Phenolic Lipid Derivatives Against Dengue Virus Infected Cell
BIO-POS-06	Pitchayathida Mee-udorn Chulalongkorn University	Molecular Dynamics Study on Human Serine Hydroxymethyltransferase with Pyridoxal Phosphate Bound
BIO-POS-07	Peerapong Wongpituk Chulalongkorn University	Effect of Pyridoxal phosphate on Human Serine Hydroxymethyltransferaseby Molecular Dynamic Simulation
BIO-POS-08	Mattanun Sangkhawasi Chulalongkorn University	Effect of phenolic compounds as H5N1 influenza A neuraminidase inhibitors by molecular dynamic simulation
BIO-ORA-01e	Panupong Mahalapbutr Chulalongkorn University	Anticancer activity of mansonone G derivatives against human non-small cell lung cancer
BIO-ORA-02e	Bodee Nutho Chulalongkorn University	Reaction Mechanism of the Zika Virus NS2B/NS3 Serine Protease with Its Substrate: A QM/MM Study
BIO-ORA-03t	Wansiri Innok Thaksin University	The Potential of Interested Leading Alkaloid and Flavonoid Compounds in Thai Herbs against Achetylcholinesterase Inhibitory of Alzheimer's Disease
BIO-ORA-04e	Phakawat Chusuth Chulalongkorn University	The binding of cobratoxin from Naja kaouthia towards nicotinic acetylcholine receptor (nAChR)
BIO-ORA-05t	Tadsanee Awang Kasetsart University	COMPUTATIONAL STUDIES OF THE ADSORPTION OF HUMAN DEFENSIN 5 ON BACTERIAL MEMBRANES
BIO-ORA-06t	Channarong Khrutto Chulalongkorn University	MOLECULAR DYNAMICS SIMULATIONS OF M2 CHANNEL IN PHOSPHOLIPID BILAYERS WITH DIFFERENT THICKNESS
BIO-ORA-07e	Kanyani Sangpheak Chulalongkorn university	In silico and in vitro studies of chalcones as potent anticancer agents with EGFR kinase
BIO-ORA-09e	Thapanar Suwanmajo Chiang Mai University	Tunable Signal Processing in Multi-site Phosphorylation Systems via Explicit Enzyme Activation

Computational Chemistry Session

Code	Presenter	Title
CHE-POS-01	Rathawat Daengngern King Mongkut's Institute of Technology Ladkrabang	Dynamics Simulation of Excited-State Intramolecular Proton Transfer Reactions of 2,5-bis(2'-benzoxazolyl) hydroquinone
CHE-POS-02	Tinnakorn Saelee Chiang Mai University	Theoretical investigation of Propane Dehydrogenation on Ni(111) surface
CHE-POS-03	Khanittha Kerdpol Chiang Mai University	Replica Exchange Molecular Dynamics Simulations of 2-Hydroxypropyl-β-Cyclodextrin
CHE-POS-04	Panisak Boonamnaj Chulalongkorn University	The pH-Dependent Shaping of Water-filled Crevice in the Hv1 Channel
CHE-POS-05	Rusrina Salaeh Chiang Mai University	Electronic and photophysical properties of derivatives of 2-phenylbenzothiazole and 2-(2′-hydroxyphenyl) benzothiazole: Effect of intramolecular hydrogen bonding
CHE-POS-06	Chattarika Sukpattanacharoen Chiang Mai University	Heteroatom effect on electronic and photophysical properties of 3-hydroxyquinolin-4(H)-one and its derivatives enhancing in the excited-state intramolecular proton transfer processes: A TD-DFT study on substitution effect
CHE-POS-07	Karan Bobuatong Rajamangala University of Technology Thanyaburi	Density functional theory insight towards the design of ionic liquids for CO2 capture
CHE-POS-08	Narissa Kanlayakan Chiang Mai University	Path Integral Molecular Dynamics Simulations for Muoniated Thioformaldehyde Radicals
CHE-POS-09	Panita Kongsune Thaksin University	Inhibitory of Influenza H1N1 Hemagglutinin with Flavonoid Compounds from Thai Herbs
CHE-POS-10	Bundet Boekfa Kasetsart University;	An ONIOM study on the 7-hydroxyl-4-methylcoumarin synthesis with H-Beta zeolite
CHE-POS-11	Jakkapan Sirijaraensre Kasetsart University	Effect of Impurities in MgCl2 Support for Polymerization of Ethylene with Heterogeneous Ziegler-Natta Catalyst: A DFT Study
CHE-POS-12	Pavee Pongsajanukul Chulalongkorn University	Computational calculation of CO2 adsorption in MIL-127(Fe) Metal Organic Framework
CHE-POS-13	Thanawit Kuamit Chulalongkorn university	ELECTRONIC PROPERTIES OF PYRENE ADSORBED ON GRAPHENE NANOFLAKES
CHE-POS-14	Chirawat Chitpakdee National nanotechnology center	Cooperation of Single Co Atom with Defect MoS2 as a High Efficient Catalyst for HDO Reaction: A DFT Study
CHE-POS-15	Warin Jetsadawisut, Chulalongkorn university	Coarse-Grained Molecular Dynamics Simulation of CorA Magnesium Channel in a Nanodisc
CHE-POS-16	Phoom Chumponanomakun Thammasat University	Computational Insight into Noncovalent Interaction of Solid Polymer Electrolytes on Graphene Surface for Fabrication of Supercapacitor Electrodes

Computational Chemistry Session

Code	Presenter	Title
CHE-POS-17	Thana Maihom Kasetsart University	Lewis Acid Beta Zeolite Catalyzing the Catalytic Hydrogen Transfer of Furfural to Furfuryl alcohol: Insight from DFT Calculations
CHE-POS-18	Sarawoot Impeng National nanotechnology center	Theoretical investigation on gas sensing properties of a MnN4 moiety embedded graphene (MnN4-graphene)
CHE-POS-19	Fadjar Mulya Universitas Gadjah Mada	Design a Better Metalloporphyrin Semiconductor: A Theoretical Studies on the Effect of Substituents and Central Ions
CHE-POS-20	Sunan Kitjaruwankul Kasetsart University	3D-QSAR and molecular docking of xanthone derivatives as HIV-1 reverse transcriptase inhibitors
CHE-POS-21	Sarinya Hadsadee Ubon ratchathani university	D-π-A-π-A system with isoindigo for dye-sensitized Solar cells
CHE-POS-22	Teeranan Nongnual Burapha University	The Spatial Resolution in Fluorescent-Particle Tracking Affected by Motion Blur
CHE-POS-23	Noppakoon Kharmsri Chulalongkorn University	Dimer Interactions of H1V Proton Channel in Resting State by MolecularDynamics Simulations
CHE-POS-24	Suparada Kamchompoo Ubon Ratchathani University	Adsorption of hydrogen sulfide over metal exchanged zeolite clusters: A density functional theory study
CHE-ORA-01t	Nuttaporn Janprapa King Mongkut's University of Technology Thonburi	A theoretical study of fluorene based copolymers for solar cell applications
CHE-ORA-02t	Rattanawalee Rattanawan Ubon Ratchathani University	Molecular Engineering of D-A Featured Organic Indole Sensitizers for Improving Performance Efficiency of Dye-Sensitized Solar Cells
CHE-ORA-03e	Pipat Khongpracha Kasetsart University	Charge Carriers Distribution in Platinum Doped Graphitic Carbon Nitride Quantum Dot
CHE-ORA-04t	Yuwanda Injongkol Ubon Ratchathani University	The mechanism of carbon dioxide hydrogenation to formic acid on Pt-boron nitride nanosheets (Pt-BNNSs): A theoretical study
CHE-ORA-05t	Nuttapon Yodsin Ubon Ratchathani University	The theoretical study of catalytic CO2 hydrogenation to formic acid over a metal-decorated carbon nanocone
CHE-ORA-07t	Panyakorn Taweechat Chulalongkorn University	Molecular dynamics simulations of hyaluronic acid in water
CHE-ORA-09e	Wiparat Hotarat Chulalongkorn University	Delivery of Alpha-mangostin through biological membrane using cyclodextrins: A molecular dynamics simulation study
CHE-ORA-10e	Wasut Pornpatcharapong Chiang Mai University	Efficient Two-dimensional Ion Pairing Free Energy Surface Computation with Gaussian Process Regression
CHE-ORA-12e	Cangtao Yin Academia Sinica	The reaction between Criegee intermediates and sulfur dioxide: not really barrierless

Computational Physics, Fluid Dynamic and Solid Mechanics Session

Code	Presenter	Title
PHY-POS-01	Kunwithree Phramrung King Mongkut's University of Technology Thonburi	Meshless local Petrov-Galerkin (MLPG) method for HIV model
PHY-POS-02	Naravadee Nualsaard King Mongkut's University of Technology Thonburi	The Numerical Solution of Fractional Black-Scholes-Schrodinger Equation Using the MLPG Method
PHY-ORA-02e	Abdulmutta Thatribud Prince of Songkla University	Electronic and Optical Properties of Silver Chloride Photocatalyst by First Principles calculation
PHY-ORA-03t	Sorayot Chinkanjanarot National Metal and Materials Technology Center	Predicting Coefficient of Linear Thermal Expansion of Carbon Fiber/Graphene Nanoplatelet/EPON862 Hybrid Composites: Multiscale Modeling
PHY-ORA-04t	Somboon Otarawanna National Metal and Materials Technology Center (MTEC)	Matrix Tridiagonalization Methods for 3D Finite Element Analysis of Free Vibration
PHY-ORA-05e	Wanfeng Yu Mae fah luang university	Identify Transient Sources from GOTO Sky Survey Data with Clustering Method
PHY-ORA-06e	Vichayanun Wachirapusitanand Chulalongkorn University	Machine Learning system mimicking student's choice in Particle Data Analysis laboratory activity
PHY-ORA-07e	Maneerat Chotsawat Synchrotron Light Research Institute	First-principles study of defects in Bi and Al doped orthorhombic PbZrO3

High Performance Computing, Computer Science, Mathematic & Engineering Session

Code	Presenter	Title
HPC-ORA-01e	Supakit Prueksaaroon Thammasat University	Loop prevention on Software Defined Network using Adaptive Virtual Tunnel Network
HPC-ORA-02e	Supakit Prueksaaroon Thammasat University	Resilience flow management on Software-Defined Network using Directed graph for L2 Loop prevention
HPC-ORA-03e	Dussadee Somjaiwang King Mongkut's University	Existence and Approximation of Solutions of Coupled Fractional Order Hybrid Differential Equations
HPC-ORA-05e	Witcha Benjanirat Kasetsart University	Wavelet Gakerin Method for solving Korteweg-de Vries Equation with Neumann Boundary Conditions