

NANOMATERIALS (NANO-MATS)

November 26th, 2014

Room 405

Chairperson: Dr. Mongkol Sukwattanasinitt

13.00-13.30	IS-02	Daniel Crespy	Tailoring Nanocapsules for Self-Healing Materials
13.30-14.00	IS-04	Kaz Nomoto	Nanospider™ – A unique way to produce nanofibers
14.00-14.15	NANO-MATS-01	Ma Cristine Concepcion D. Ignacio	Investigation of Potential Applications of Nanosilica Powder Derived from Rice Hull Ash
14.15-14.30	NANO-MATS-02	Muhammad Najam Khan	Visible light photocatalytic inactivation of <i>Escherichia coli</i> using zinc stannate nanostructures synthesized at room temperature in aqueous media

November 26th, 2014

Room 405

Chairperson: Assoc.Prof.Vuthichai Ervithayasuporn

15.15-15.30	IS-05	Worawat Meevasana	To be announced
15.30-15.45	IS-06	Supason Wanichweacharungruang	To be announced
15.45-16.00	NANO-MATS-03	Jatuporn Woothikanokkhan	Structural Optimization of Vanadium Oxides Prepared Via A Polymer Assisted Deposition
16.00-16.15	NANO-MATS-04	Chanika Puridetvorakul	Formation of Porous Silicon Nanostructures in NH ₄ F/C ₃ H ₈ O ₃ Solution
16.15-16.30	NANO-MATS-05	Safiah saah	Fabrication of chitosan/fish gelatin scaffolds from unicorn leatherjacket (<i>Aluterus Monoceros</i>) skins for biomedical applications
16.30-16.45	NANO-MATS-06	Rungthiwa Arunchai	A New Naphthalimide Derivative for Organic Light-Emitting Diode Application

November 27th, 2014

Room 405

Chairperson: Assoc.Prof.Akira Baba

10.30-11.00	IS-09	Dengsong Zhang	Rational design, shape control and morphology-dependent properties of nanocatalysts
11.00-11.15	NANO-MATS-07	Ruttayapon Potai	Controlling the Photophysical Properties and the Nano-size Aggregates of Regioregular Poly(3-Octylthiophene): The Role of Poor Solvents
11.15-11.30	NANO-MATS-08	Attthaphon Maneedaeng	High Uniformity of ZnO Nanoparticles Synthesized by Surfactant-Assisted Solvothermal Technique
11.30-12.00	IS-11	Mark Gilligan	Innovation driven project management methods

November 27th, 2014

Room 405

Chairperson: Dr.Udom Asawapirom

15.00-15.15	IS-12	Winadda Wongwiriyan	To be announced
15.15-15.30	IS-14	Nonglak Meethong	To be announced
15.30-15.45	NANO-MATS-09	Anothai Kamphan	Stable and reversible thermochromism of polydiacetylene/ poly(vinylpyrrolidone) nanocomposites: The influence of molecular weight
15.45-16.00	NANO-MATS-10	Dustin Loren V. Almanza	Antifungal Activity of Nanoporous ZnO/Al Photocatalytic Film Fabricated via Electrophoretic Deposition against <i>Fusarium</i> sp., causal Organism of Banana Crown Rot

November 28th, 2014

Room 405

Chairperson: Assoc.Prof.Vittaya Amornkitbamrung

12.00-12.30	IS-15	Akira Baba	Detection of Multiple Analytes on Carboxylated Polypyrrole Thin Film by Electrochemical Surface Plasmon Resonance Biosensor Please Center
12.30-13.00	IS-16	Yuji Kuwahara	Nanoscale Evaluation of Optical Activity in Chiral Molecules
13.00-13.15	NANO-MATS-11	Pristanuch Kasian	Structure and Electrical properties of Titanate-based Nanotubes
13.15-13.30	NANO-MATS-12	Sukanya Nilmoung	Fabrication and Characterization of C/MFe ₂ O ₄ (M=Ni, Cu) Composite Nanofiber by electrospinning and heat treatment process

November 28th, 2014

Room 405

Chairperson: Assist.Prof.Tanakorn Osotchan

14.00-14.30	IS-18	Masahiro Ehara	Bond Activation Mechanism on Heterogenous Nanocluster Catalysts
14.30-14.45	NANO-MATS-13	Isara Kotutha	Effect of CoFe ₂ O ₄ nanoparticles and rGO nanosheets ratio on the Electrochemical Performance of rGO/CoFe ₂ O ₄ nanocomposite
14.45-15.00	NANO-MATS-14	Mary Donnabelle Balela	Formation of Oxidation-Stable Copper Nanoparticles in WaterF
15.00-15.15	NANO-MATS-15	Kiattisak Noipa	Structure and Magnetic Properties of Thermally Decomposed ZnO-based Nanorods

NANOELECTRONICS AND NANOSYSTEMS (NANO-ELEC)

November 28th, 2014

Room 404

Chairperson: Dr.Sirapat Pratontep

12.00-12.15	NANO-ELEC-01	Kittipong Tantisantison	Ultraviolet Sensor based on Organic/Inorganic Heterojunction between PEDOT:PSS and ZnO Nanoparticles Thin Films
12.15-12.30	NANO-ELEC-02	Thitikorn Boonkoom	Study of structural properties of N-doped ZnO thin film prepared by reactive gas-timing RF magnetron sputtering
12.30-12.45	NANO-ELEC-03	Ratchanok Somphonsane	Relaxation Dynamics of Hot Carriers in Graphene Revealed by Current-Induced Heating Measurements
12.45-13.00	NANO-ELEC-04	Mongkol Sapankaew	Alignment of single-walled carbon nanotubes for field-effect transistor by AC dielectrophoresis assembly

November 28th, 2014

Room 404

Chairperson: Dr.Nonglak Meethong

14.00-14.45	IS-17		To be announced
14.45-15.00	NANO-ELEC-05	Alisa Sangsonachai	Rectifying behaviour of long-conducting channel single-walled carbon nanotube field-effect transistor
15.00-15.15	NANO-ELEC-06	Kitiphat Sinthiptharakoon	Atomically controlling the charge state of individual arsenic dopant atoms in silicon using scanning tunneling microscopy

NANOMEDICINE AND DRUG DELIVERY SYSTEMS (NANO-MEDIC)

November 27th, 2014

Room 404

Chairperson: Dr.Uracha Ruktanonchai

10.30-11.00	IS-08	Teerapol Srichana	Nanotechnology and Drug Delivery to the Lung: Opportunity for Tuberculosis Treatment
11.00-11.15	NANO-MEDIC-01	Thodsaphon Loonnoo	Maximizing Capture Efficiency of Coated Magnetic Nanoparticles in Arterial Flow: a Computational Model for Magnetic Drug Targeting
11.15-11.30	NANO-MEDIC-02	Lionel Maurizi	Coating effects on nanoparticles proteins adsorption and biodistribution
11.30-11.45	NANO-MEDIC-03	Chalermchai Pilapong	Development of Multifunctional Magnetic Nanoparticles for Target-Specific Therapy and Imaging of Cancer Cells/Multidrug Resistant Cancer Cells
11.45-12.00	NANO-MEDIC-04	Sorada Kanokpanont	Solid Lipid Nanoparticles from Shellac Wax for Controlled Release of Curcumin

November 27th, 2014

Room 404

Chairperson: Dr.Wiyong Kangwansupamongkon

15.00-15.15	NANO-MEDIC-05	Kanlaya Prapainop	The impact of the protein corona on the uptake of nanoparticles
15.15-15.30	NANO-MEDIC-06	Aparna Sai Laxmi Rangabhatla	Etidronate loaded gelatin nanoparticles by nanoprecipitation
15.30-15.45	NANO-MEDIC-07	R.G.S.V. Prasad	Enhanced electrical conductivity of fish glectin/chitosan scaffolds incorporated with chitosan-g-PANI nanofibers

NANOTECHNOLOGY IN HUMAN HEALTH (NANO-HH)

November 27th, 2014

Room 305

Chairperson: Dr.Dakrong Pissuwan

10.30-11.00	IS-10	Takuro Niidome	Delivery Systems Controlled by Photothermal Effect of Gold Nanorods
11.00-11.15	NANO-HH-01	Ratiya Phetnin	Bio-hybrid composite scaffold from silk fibroin/chitosan/mesoporous bioactive glass microspheres for tissue engineering applications
11.15-11.30	NANO-HH-02	Nongluck Houngkamhang	Red blood cells and serum ABO blood typing by surface plasmon resonance technique
11.30-11.45	NANO-HH-03	Kwunchit Oungbho	Chitosan based water-in-virgin coconut oil microemulsions for topical delivery of arbutin

NANOSENSOR (NANO-SS)

November 26th, 2014

Room 305

Chairperson: Dr.Kittitat Subannajui

13.00-13.45	IS-03	Kokawa Ryohei	A State-of-the-Art Scanning Probe Microscopy
13.45-14.00	NANO-SS-01	Thidarat Wangkam	Cancer Biomarker detection by Surface Plasmon Resonance sensor
14.00-14.15	NANO-SS-02	Florido Emmanuel A.	Electrophoretic Deposition (EPD) of Nanostructured Zinc Oxide (ZnO) Film Sensitized with Palladium Chloride (PdCl ₂) for Butane/Propane Gas Sensing
14.15-14.30	NANO-SS-03	Ofelia Silverio	A comparison between the GC-ECD and dye displacement via UV-Vis binding data of Dieldrin, Endosulfan and Hexachlorobenzene Imprinted Polymers

November 26th, 2014

Room 305

Chairperson: Dr.Kittitat Subannajui

15.15-15.30	NANO-SS-04	Chawarat Siritwong	Hydrogen and Ethanol Sensing Properties of Pd-loaded ZnO Nanoparticles Synthesized by Flame Spray Pyrolysis
15.30-15.45	NANO-SS-05	Theerasak Juagwon	Fabricated Electrodes from Blending of Carbon Nanotube and Various Metal Phthalocyanines for Detection of Five Taste Models
15.45-16.00	NANO-SS-06	Krisda Sudprasert	A Simple Method for Determining Cell/Substrate Separation Distance by Using Surface Plasmon Resonance
16.00-16.15	NANO-SS-07	Patjaree Peungthum	Detection of ABH blood group antigens in human saliva by Surface Plasmon Resonance (SPR) Technique
16.15-16.30	NANO-SS-08	Phatra Khomkrachang	Free human Chorionic Gonadotropin beta (β -hCG) detection of The Triple Test for Down's syndrome screening in maternal serum using Surface Plasmon Resonance Technique (SPR)

THEORY AND SIMULATION RELATED NANOSYSTEM (NANO-SIM)

November 28th, 2014

Room 305

Chairperson: Assist.Prof.Sriprajak Kongsuk

12.30-12.45	NANO-SIM-01	Ampaiwan Marutaphan	Theoretical Study on Structural and Electronic Properties of PEDOT: PSS
12.45-13.00	NANO-SIM-02	Aniwat Kesorn	Dynamics and Quantum Leakage of InAs/GaAs Double Quantum Dots under Finite Time-dependent Square-Pulsed Electric Field

NANOCHARACTERIZATION AND IMAGING (NANO-CH)

November 28th, 2014

Room 305

Chairperson: Assist.Prof.Sriprajak Kongsuk

13.00-13.15	NANO-CH-01	Songpol Chaunchaiyakul	Towards the Characterization of Optical Dissymmetry of Single Molecules
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NANOTECHNOLOGY FOR ENVIRONMENT (NANO-ENVI)

November 26th, 2014

Room 404

Chairperson: Assoc.Prof.Rakchart Traiphol

13.00-13.30	IS-01	Michael Riediker	How risk research supports innovation
13.45-14.00	NANO-ENVI-02	Chalita Ratanatawanate	Functionalized Metal-Organic Frameworks for Biomass Conversion
14.00-14.15	NANO-ENVI-03	Tatsanee Yaemchuen	Pervaporative Removal of Water from Ethanol by Carbon Membranes Prepared from Non-solvent Treated Kapton [®] Polyimide
14.15-14.30	NANO-ENVI-04	Rachada Buntem	Amine-Functionalized Silica Monolith as a Copper Ion Adsorbent

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Room 404

Chairperson: Assoc.Prof.Jatuphorn Wootthikanokkhan

15.15-15.45	KS-03	Nam Woong Song	Importance of Measurement Standard in Establishing NanoSafety Guidelines
15.45-16.00	IS-07	Pailin Ngaotranakawiwat	Photocatalytic effect and energy storage ability of TiO ₂ /transition metal oxides
16.00-16.15	NANO-ENVI-05	Radchada Buntam	Studies on Copper Ion Adsorption using Pectin/Functionalized-Silica Coated Cellulose
16.15-16.30	NANO-ENVI-06	Chomchanok Talodthaisong	Solubility: A Key Factor of N ₃ DSSCs Efficiencies
16.30-16.45	NANO-ENVI-07	Tanayt Sinprachim	Fabrication, characterization and supercapacitor behavior of electrospun Ag-Mn _x O _y /CNFs composite nanofibers
16.45-17.00	NANO-ENVI-08	Prathan Prachopchok	Correlation between conversion efficiency and impedance spectroscopy parameters for dye synthesis solar cell with TiO ₂ nanostructure modification

November 27th, 2014

Room 305

Chairperson: Dr.Dakrong Pissuwan

13.30-13.45	NANO-ENVI-01	Rasel Das	NanoBiohybrid: A Favorite Candidate for Future Water Purification Technology
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NANO-APPROACH FOR GREEN TECHNOLOGY (NANO-GT)

November 28th, 2014

Room 305

Chairperson: Dr.Thidarat Wangkam

14.00-14.45	IS-19	Stefan Mende	Research & Process Production of Nanoparticles by Top-Down-Process
14.45-15.00	NANO-GT-01	Siriporn Phongtongpasuk	Green synthesis of silver nanoparticles using pomegranate peel extract
15.00-15.15	NANO-GT-02	Pranlekha Traiwatcharanont	Effect of pH in the green synthesis of silver nanoparticles through reduction with <i>Pistia stratiotes</i> L. extract

NANOTECHNOLOGY FOR MANUFACTURING AND INDUSTRY (NANO-IN)

November 27th, 2014

Room 305

Chairperson: Dr.Nongluck Houngkamhang

15.00-15.15	IS-13	Thammasit Vongsetskul	Advances in Enzyme-immobilized Electrospun Nanofibers
15.15-15.30	NANO-IN-01	Siraprapa Lhosupasirirat	Dispersing and Stabilizing Silicon Dioxide (SiO ₂) and Titanium Dioxide (TiO ₂) Nanoparticles in Powder Form by Using Bead Milling for Coating Application
15.30-15.45	NANO-IN-02	Taksorn Jirathampradhab	Development of Superhydrophobic Surface via Roughness and Chemical Controlling
15.45-16.00	NANO-IN-03	Mohammad reza seyed mir	Production and study on polypropylene nano composite fibers with dye ability in exhaustion method