

Monday, 23 May 2016

13:00	Registration (Graceland Lobby, First Floor)
14:00	
15:00	
16:00	
17:00	
18:00	
19:00	Welcome Reception
20:00	(sponsored by MICROSCOPY- official journal of The Japanese Society of Microscopy)
21:00	

Tuesday, 24 May 2016

8:00-17:00

Registration (Graceland Lobby, First Floor)

8:30

Welcome and Congress Opening (Orchid Ballroom)

Welcome Address by **Associate Professor Sukumal Chongthammakun**
Chairperson of APMC11/MST33/AAT39 and Deputy Dean of Faculty of Science, Mahidol University

Address by **Professor Ze Zhang**
President of CAPSM and Professor of Department of Materials Science, Zhejiang University

Address by **Mr. Chamroen Tipayapongtada**
Governor of Phuket

Opening Remarks by **Professor Banchong Mahaisavariya**
Vice President, Mahidol University

Plaque and Certificate Presentation to Major Sponsors

MST Honorary Membership Presentation

9:30

Keynote Presentation I (Orchid Ballroom)

“From Nano to PICO – the Next Generation of Aberration Corrected TEMs”

Professor Joachim Mayer
RWTH Aachen University, and Forschungszentrum Jülich, Germany

Chair: Ze Zhang
Co-chair: Supin Chompoopong

10:30

Break

11:00

Tuesday, 24 May 2016

	Orchid Room	Dalah-1 Room	Bu-nga Room	Dalah-2 Room	Dalah-3 Room
	M-1 Low-Dimensional Nanomaterials: Dots, Wires, and Sheets	M-9 Biomass Materials	I-1 Advances and Applications of Atomic Resolution Electron Microscopy	L-1 Cryo-Electron Microscopy of Single Particles	A-8 Cognitive Science
	Chair: Annop Klamcheun Co-chair: Jin Zou	Chair: Takayuki Takarada Co-chair: Suparin Chaiklangmuang	Chair: Nobuo Tanaka Co-chair: Wen-An Chiou	Chair: David Bhella Co-chair: Paula da Fonseca	Chair: Ingrid Liu Co-chair: Gavin Reynolds
11:00	"Heterostructure of ZnO Nanowire Arrays on Ag thin film prepared by Gas-timing RF Magnetron Sputtering and Its Photocatalytic Activity" Annop Klamcheun	"Low temperature catalytic pyrolysis/gasification of biomass using natural products as catalysts" Takayuki Takarada	"Research direction of environmental transmission electron microscopy for nano-materials" Nobuo Tanaka	"Towards <i>in situ</i> structure analysis of virus-host interactions" David Bhella	"Using behavioral training paradigms and mouse models to delineate memory formation pathways and select novel drug targets" Ingrid Liu
11:30	"Impact of Catalysts in Epitaxial Growth of III-V Semiconductor Nanowires" Jin Zou	"Plasma arc technology processing of destroying biomass materials" Pudji Untoro	"Recent Studies for Materials Characterization with High Resolution Analytical TEM/STEM" Masahiro Kawasaki/ Makoto Shiojiri	"High resolution cryo-EM of proteasome complexes as a new tool for therapeutic drug development" Paula da Fonseca	"Abnormal Protein Citrullination in Alzheimer's Disease" Akihito Ishigami
		"Arc Plasma Sintering: New Challenge for low emission bio-waste treatment" Arbi Dimiyati			
12:00	OM0101 "Exploring the configuration of atomic defects and the multi-path migration of Mo adatoms in atomically thin MoS ₂ by statistic ADF-STEM" Chuanhong Jin	OM0901 "Comparison of Bio-oil and Extracted Residue from Acid and Enzyme Hydrolysis Processes of Microalgae" Nuapon Duongbia	"Ultrafast <i>in-situ</i> and <i>ex-situ</i> heating of AL and TA nanoparticles" Wen-An Chiou	"Direct detection and electron counting - A beginning of a new era for electron microscopy" Ming Pan	"Parvalbumin deficits in psychotic illness - from pathology to epigenetics" Gavin Reynolds
	OM0102 "Real-time Study of the Growth Behavior of InAs Nanorods Using in situ RHEED Transmission mode and TEM" Janghyun Jo				
12:30	Lunch Talk				

13:30

Tuesday, 24 May 2016

	Orchid Room	Dalah-1 Room	Bu-nga Room	Dalah-2 Room	Dalah-3 Room
	M-1 Low-Dimensional Nanomaterials: Dots, Wires, and Sheets Chair: Takeshi Yanagida Co-chair: Takao Yasui	M-2 Semiconductors and LSI Device Materials Chair: Chanchana Thanachayanon Co-chair: Sakuntam Sanorpin	A-10 Cell Biology Chair: Takashi Yashiro Co-chair: Apiwat Mutirangura	L-2 Cellular Electron Tomography Chair: José López Carrascosa Co-Chair: Puey Ounjai	A-3 Stem Cell and Cancer Biology Chair: George Wai-Cheong Yip Co-chair: Sam Wah Tay
13:30	"Material Design of Single Crystalline Metal Oxide Nanowires and Their Promises for Green-innovation and Life-innovation" Takeshi Yanagida	"TEM analysis of cubic GaN films on GaAs (311) oriented substrates grown by MOVPE" Sakuntam Sanorpin	"Analysis of Cell to Cell and Cell to Extracellular Matrix Communication in the Anterior Pituitary Gland" Takashi Yashiro	"Correlation of cryo-soft X-ray tomography and electron microscopy to study nanoparticle-whole cell interaction" José López Carrascosa	"Heparan Sulfate 6-O-Sulfotransferase 2 in Breast Cancer" George Wai-Cheong Yip
14:00	"Nanowires for extracellular vesicles analysis" Takao Yasui	"Depth Quantitative and Chemical State Analysis from Few nm to Several nm using Soft X-ray Emission Spectroscopy" Hideyuki Takahashi	"Epigenetic Roles of Repetitive Sequences in Cancer" Apiwat Mutirangura	"Structural Insights into Substrate Recognition and Surface Adhesion in <i>Chlamydomonas reinhardtii</i> " Puey Ounjai	"Mesenchymal Stem Cells Secretome Alters Microglial Proliferation via the Expression of the <i>ECT2</i> gene" Sam Wah Tay
14:30	"Controlled Nanostructures by Physical Vapor Deposition with Glancing Angle Deposition Technique for Sensor Applications" Mati Horprathum	"TEM Characterization of microstructural evolution of Gallium Nitride grown by MOCVD on c-sapphire" Kuttanellore Muralaedarhan	"Morphology of breast cancer cells overexpressing the Y-Box Binding Protein 1 as observed by immunofluorescence confocal microscopy" Boon Huat Bay	OL0201 "Making the practically impossible 'merely difficult' -cryogenic FIB lift-out for damage free soft matter imaging" Christopher Parmenter	"Modeling β -thalassemia by using induced pluripotent stem cells (iPSCs)" Yindee Kitiyanant
15:00	OM0103 "Exploring the Composition-related Stability for Layered Cathode Material for Lithium Ion Battery by Analytical STEM" Wei Huang	OM0104 "Investigating magnetic nanoparticles of three dimensional magnetic vortex in different configuration assemblies" Min-Kwan Kim	OM0201 "Investigation on defect related luminescence in semi-polar InGaN/GaN quantum well by using TEM-CL" Mi-Hyang Sheen	OL0202 "Actin-bundling formation of dimeric human fascin-1 was determined by IHRSR and tomography methods" Jeong Min Chung	
15:30	Break		CAPSM Business Meeting		

	Orchid Room	Dalah-1 Room	Bu-nga Room	Dalah-2 Room	Dalah-3 Room
	I-11 Teaching Microscopy: On-line, Hands-on & Remote/ Chair: Supapan Seraphin Co-chair: Makoto Shiojiri	M-3 Surface, Interfaces, Grain Boundaries, and Coatings Chair: Yuttanant Boonyongmaneerat Co-chair: Sukanda Jiansirisomboon	L-3 Cell and Tissues Structures I Chair: Pakorn Kanchanawong Co-chair: Kanokpan Wongprasert	L-5 Advanced Techniques in Biological Sample Preparation and Observation Chair: Georg Ramm Co-chair: Keisuke Ohta	A-7 Aging Science Chair: Thamthiwat Nararatwanchai Co-chair: Amornpun Sereemaspun
15:30	"Teaching microscopy: sharing wondrous journey into the micro- and nano-world" Supapan Seraphin	"Enhancing corrosion resistance of galvanized coating via microstructural engineering and microscopy analysis" Yuttanant Boonyongmaneerat	"Mapping the nanoscale architecture of cadherin-based adhesions by superresolution microscopy" Pakorn Kanchanawong	"Correlative light and electron microscopy techniques for live-cell imaging and for identifying rare structures in small organisms" Georg Ramm	"Scientific method for antiaging research by using bioengineering measurement" Thamthiwat Nararatwanchai
16:00	OI0101 "Probing structure and electronic structure of battery materials at atomic scale by scanning transmission electron microscopy" Lin Gu	OM0301 "Challenges in HR-SEM: Direct observation of Micro-, Meso- and Macro-pore openings and fine structure details of nanostructured materials" Shunsuke Asahina	"Adhesion formation and transformation at the cell-matrix interface" Cheng-han Yu	"Three-dimensional organization of mitochondria-associated membrane revealed by FIB-SEM combined with live cell imaging" Keisuke Ohta	"Current biomarkers of cellular aging: from morphology to molecular evidences" Amornpun Sereemaspun
	OI0102 "3D Fourier transform analysis to evaluate a high-performance TEM" Kazuo Ishizuka	OM0302 "Metallography Techniques for Microscopy of Electroplated Coatings: Effectiveness of Mechanical, Electrochemical, and Ion polishing" Narin Jantaping			
16:30	OI0103 "Quantitative experimental determination of site-specific magnetic structures by transmitted electrons" Xiaoyan Zhong	OM0303 "Characterization of the Interface between Metal and Glass Produced by Cold Spray" Minghui Song	OL0301 "Histological study of larval development of the blow fly, <i>Chrysomya megacephala</i> (Diptera: Calliphoridae)" Chutharat Samerjai	"Recent developments in preparation of biological samples for electron microscopy" Wen An Chiou	OA0701 "Cerebellar cortical layer atrophy in the aging human-A Post-mortem observation" Tahamida Yesmin
	OI1101 "Digital transformation in Microscopy Teaching" Silvia Zenner-Gelrich	OM0304 "In-situ Observation of Mutual Reduction between ceramics in TEM" Nobuhiro Ishikawa	OL0302 "Ultrastructure of Immature Stages of <i>Lucilia sinensis</i> Aubertin, 1933 (Diptera: Calliphoridae) for Identification" Sangob Sanit		OA0702 "Degenerative Change in Lumbar Facet Joint Surface related with Age in A Thai Population" Chanatporn Inthasan
17:00		OM0305 "Real time observation of the reconstructing TiO2 (001) surface via an Environmental TEM" Yong Wang			AAT Business Meeting
		OM0306 In-situ TEM study of oxidation in a nickel-based single crystal superalloy" Qingqing Ding			

17:30

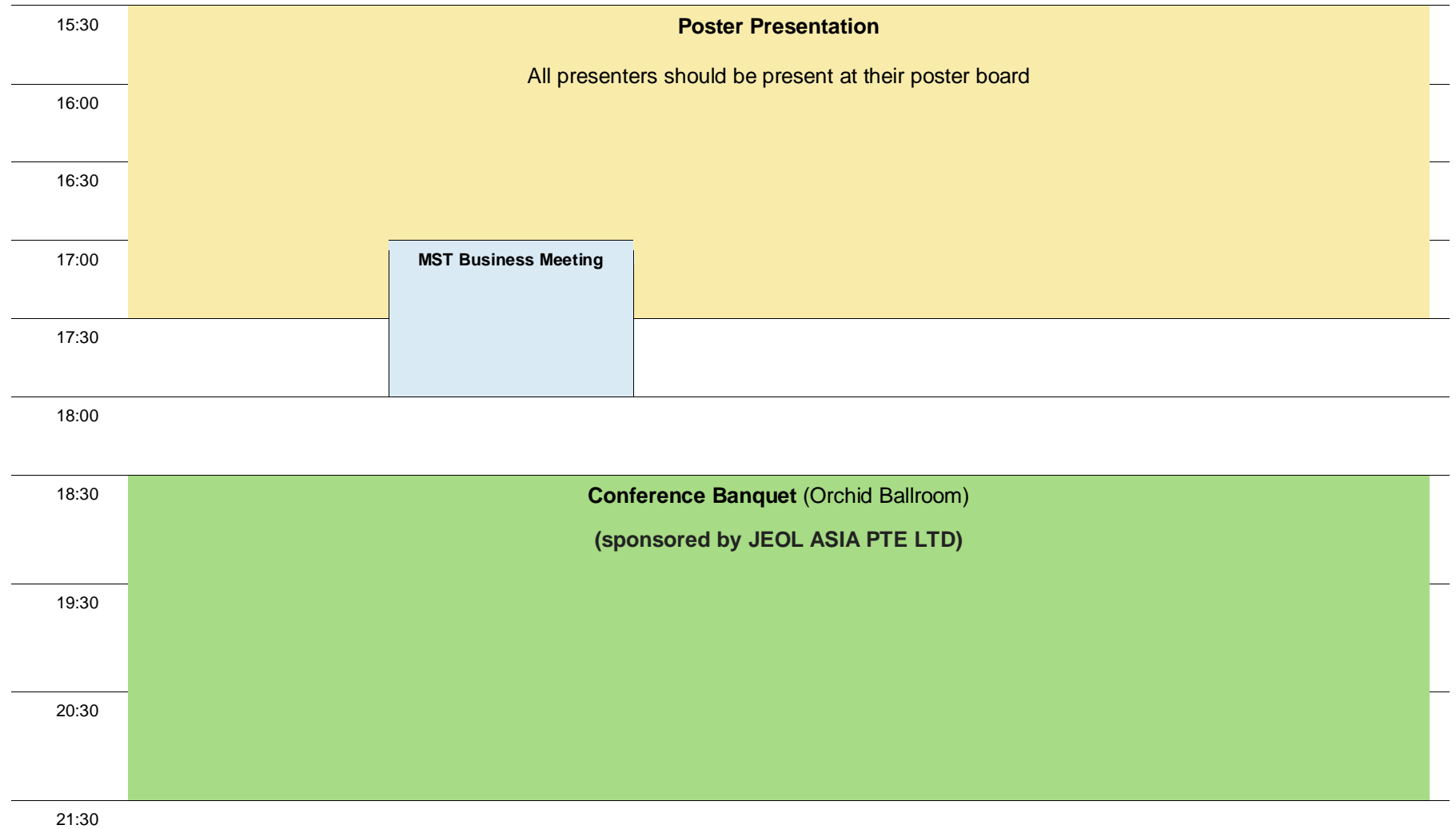
Wednesday, 25 May 2016

8:00-17.00	Registration (Graceland Lobby, First Floor)
8:30	Keynote Presentation II (Orchid Ballroom) “Innovating New Materials through Aberration-corrected Microscopy” Professor Stephen John Pennycook National University of Singapore, Singapore Chair: Prasert Sobhon Co-chair: Kazuo Furuya
9:30	Keynote Presentation III (Orchid Ballroom) “Visualizing Lipid Regulation of Gene Expression Using New and Classical Imaging Tools” Professor Pavel Hozak Institute of Molecular genetics ASCR,v.v.i., Czech Republic Chair: Prasert Sobhon Co-chair: Kazuo Furuya
10:30	Break
11:00	

	Orchid Room	Dalah-1 Room	Bu-nga Room	Dalah-2 Room	Dalah-3 Room
	M-4 Metals, Alloys and Steels Chair: Jer-RenYang Co-chair: Torranin Chairuang斯里	I-13 Advances and Applications of Electron Energy loss Spectroscopy I-4 Advances in Electron and X-ray Spectroscopy Chair: Hiroki Kurata Co-chair: Chris Boothroyd	A-4 Cancer Biology and Viruses Chair: George Sai-Wah Tsao Co-chair: Christopher Beng Ti	L-4 Cell and Tissues Structures II Chair: Steeve Boulant Co-chair: Worawit Suphamongmee	A-1 Neuroscience I Chair: Wei Yi Ong Co-Chair: Guo-Fang Tseng
11.00	"Microstructure observation of Al-Mg-Ge alloy aged at 423K and 473K using TEM" Kenji Matsuda	"High-resolution EELS study of organic crystals" Hiroki Kurata	"Live cell imaging of visible Epstein-Barr virus in human epithelial cells" George Sai-Wah Tsao	"Dynamics and ultrastructural characterization of the membranous flat clathrin coated arrays" Steeve Boulant	"Distribution and Function of Phospholipases A2 in the brain" Wei Yi Ong
11:30	OM0401 "Aging Strengthening of Interphase-Precipitated Strengthened Copper-Bearing Dual-Phase Steels" Cheng-Han Li	"Atomically-Resolved Electron Spectroscopy for Emergent Phenomena at Oxide Interfaces" Ming-Wen Chu	"Precision Medicine in Neuro-Oncology" Christopher Beng Ti	"Focused Ion Beam Scanning Electron Microscopy Revealed Three-Dimensional Fine Structure of the Cells" Depicha Jindatip	"Epigenetic regulation of microglia in the ischemic mouse brain" S Thameem Dheen
	OM0402 "Multi-dimensional analysis of bainite in Cu-Al-Mn alloy by advanced electron microscopy techniques" Toru Hara				
12:00	OM0403 "Spinodal decomposition in CoCuFeMnNi and CuFeMnNiZn high-entropy alloys observed by electron microscopy" Ruangdaj Tong斯里	"Determining the structure of carbon-based materials using electron energy-loss spectroscopy" Chris Boothroyd	"Detection of Infectious Hypodermal and Hematopoietic Necrosis Virus (IHNV) in Penaeus monodon by <i>In-situ Hybridization</i> at Transmission Electron Microscopic Level" Kanokporn Chayaburakul	OL0401 The combination of atorvastatin and cyanidin-3-glucoside attenuated oxidative stress in vascular smooth muscle cells Rungusa Pantan	"Cortical, hippocampal and striatal changes accompanied the behavioral alterations in a rat model of infantile hydrocephalus" Guo-Fang Tseng
	OM0404 Analytical investigation of rapidly solidified braze ribbons for transient liquid phase bonding Riza Iskandar			OL0402 Study of the interaction of Macrobrachium rosenbergii Noda virus virus-like particles in Sf9 insect cells: the hijacking of caveolin-mediated endocytosis and the possible existence of a protruding VLP capsid ligand domain Monsicha Somrit	
12:30	Lunch Talk				
13:30					

	Orchid Room	Dalah-1 Room	Bu-nga Room	Dalah-2 Room	Dalah-3 Room
	M-4 Metals, Alloys and Steels I-13 Advances and Applications of Electron Energy Loss Spectroscopy	I-3 New Methods in Diffraction and Imaging	I-7 Advanced Light-Optical Microscopy	L-6 Confocal and other Microscopies in Biomedical Sciences	A-9 Surgical and Clinical Anatomy
	Chair: Kenji Matsuda Co-chair: Waraporn Piyawit	Chair: Kenji Tsuda Co-chair: Fu-Rong Chen	Chair: Suejit Pechprasarn Co-chair: Michael Somekh	Chair: David Becker Co-chair: Wattana Weerachatanukul	Chair: Meechai Srisai Co-chair: Pasuk Mahakkanukrauh
13:30	"Substructures of lenticular martensite in high-carbon Hig-chromium stainless steel" Jer-Ren Yang	"Study of nanoscale local structures of perovskite-type ferroelectrics using STEM-CBED" Kenji Tsuda	"Surface wave attenuation coefficient measurement using confocal surface plasmon microscopy" Suejit Pechprasarn	"Targeting connexins to improve chronic wound healing" David Becker	"A continuing study model from preclinical, clinical, through postgraduate medical education" Meechai Srisai
14:00	OM0405 "Heat-treated microstructure and property of sintered of Fe-0.85Mo + 4 wt. % SiC + 0.4 wt.% C materials" Dhritti Tanprayoon	"Atomic Resolution Tomography of Nanoparticles Reconstructed from Exit Wave" Fu-Rong Chen	"Evanescence wave and confocal microscopy" Michael Somekh	"C-terminal domain on the outer surface of the <i>Macrobacterium rosenbergii</i> Nodavirus capsid is required for Sf9 cell binding and internalization" Wattana Weerachatanukul	"Surgical and Clinical Anatomy" Pasuk Mahakkanukrauh
	OM0406 "Sintered Ductile Iron/Compacted Graphite Iron-like Fe-Mo-Si-C alloy" Kittikhun Ruangchai				
14:30	OM0407 "Evidences of Sympathetic Nucleation and Ledgewise Growth Revealed by Scanning Electron Microscopy" Wananurat Srijampan	OI0301 "Electron diffraction analysis of microcrystalline of organic molecules" Tetsuo Oikawa	OI0701 "Ultra-sensitive biosensor using double-metallic-layer-waveguide structure" Mengqi Shen	OL0601 "Active Targeted Delivery of PLGA-Liposome Nanoparticles Specific for Cervical Cancer Therapy" Suphawadee Bunthot	"Training and Education Center for Clinical Skills" Rossarin Rattanalekha
	OM0408 "Characterization of CoCuFeMnNi alloy" Panita Choeychom	OI0302 "Quantification of crystallinity using energy filtered electron diffraction" Byeong-Seon An	OI0702 "Embedded interferometry with dynamic reference beam" Wai-Kin Chow	OL0602 "The Airyscan Detector from Zeiss: Confocal imaging with improved signal-to-noise ratio, faster speed and super-resolution" Xianke Shi	
15:00	OH1301 "Effects of nickel oxide underlayer on the catalytic properties of manganese oxide nanoparticles" Sangmoon Yoon	OI0303 "A Relativistic-energy femtosecond-pulse electron microscopy" Jinfeng Yang		OL0603 "Nanoscale approaches to characterize the dynamic and biophysical determinants of receptor-mediated virus internalization" Megan Stanifer	OA0901 "Stature Estimation from Skull using Craniometric Method in A Thai Population" Chirapat Inchai
		OI0304 "MEMS Waveguide Sensor for Photoacoustic Detection" Supanee Larkthanakhachon			OA0902 "Extensor tendons and variations of the medial four digits of hand: a cadaveric study" Athikhun Suwannakhan
15:30	Break				

Wednesday, 25 May 2016



Thursday, 26 May 2016

8:30-17.00

Registration (Graceland Lobby, First Floor)

	Orchid Room	Dalah-1 Room	Bu-nga Room	Dalah-2 Room	Dalah-3 Room
	M-6 Amorphous Materials and Quasicrystals Chair: Eiji Abe Co-chair: Nattapol Laorodphan	I-8 Scanning Probe Microscopy I-9 Atom Probe Microscopy Chair: Michael Hietschold Co-chair: Tongjai Choolajorm	I-5 In Situ Dynamics in TEM and SEM, Environmental Microscopy Chair: Yoshifumi Oshima Co-chair: Masanori Koshino	L-7 Microscopy Applications in Pathology and Laboratory Medicine Chair: Suchin Worawichawong Co-Chair: Hing Hiang Lian	L-9 Reproductive Biology and Glycobiology Chair: Ken Kitajima Co-Chair: Krai Meemon
9:00	"Structure determination of quasicrystals: STEM imaging and hyperspace x-ray crystallography" Eiji Abe	"Scanning Tunneling Microscopy Investigations of Pattern Control in Molecular Self-Assembly" Michael Hietschold	"The Morphological Study of Wet Biopolymer Capsules with Living Cells by Environmental Scanning Electron Microscope AQUASEM II" Vilem Nedela	"Role of microscopy in diagnosis of transplant kidney" Suchin Worawichawong	"Effects of polyunsaturated fatty acids and prostaglandins on crustacean reproduction" Prasert Sobhon
9:30	"Real time observation of the reconstructing TiO ₂ (001) surface via ETEM" Ze Zhang	"Development of nanomanipulator based on scanning probe microscopes for biological applications" Futoshi Iwata	"A novel approach for the scanning electron microscopy at ambient atmospheric pressures" Yusuke Ominami	"Studying Virus Trafficking in Cells using Immune Fluorescence Microscopy" Mark Douglas	"Glycan-mediated interactions on pig sperm lipid rafts during fertilization" Ken Kitajima
10:00	"Structural Characterization of Amorphous Materials via Electron Beam Radial Distribution Function Analysis" Manabu Ishimaru	"Analysis of Geological Materials by Atom Probe: Understanding the Mechano-chemical Behaviour of Zircon" Julie Cairney	OI0501 "In situ TEM Study of Vapor-Solid Nanotube Growth" Zhengfei Zhang OI0502 "In situ electron holography of electric potentials inside a solid-state electrolyte: Effect of 3D electric-field leakage" Tsukasa Hirayama	"Evaluation of cells integrity using different fixation time using scanning electron microscopy" Hing Hiang Lian	"Chemical tools to image glycans by metabolic labeling" Yann Gueraedel
10:30		"Revealing the internal structures of nanostructured alloys using atom probe tomography" Tongjai Choolajorm	Break		

	Orchid Room	Dalah-1 Room	Bu-nga Room	Dalah-2 Room	Dalah-3 Room
	M-5 Ceramics and Inorganic Materials	I-9 Atom Probe Microscopy I-10 Theoretical Modeling and Analysis in Electron Microscopy	I-5 In Situ Dynamics in TEM and SEM, Environmental Microscopy	L-8 Mass Spectrometry	A-2 Neuroscience II
	Chair: Naoya Shibata Co-chair: Bralee Chayasombat	Chair: Fu-Rong Chen Co-chair: Raynald Gauvin	Chair: Vilem Nedela Co-chair: Yusuke Ominami	Chair: Mitsutoshi Setou Co-chair: Scott F. Cummins	Chair: Sutisa Thanoi Co-chair: Sukumal Chongthammakun
11:00	"Development of atomic-resolution scanning transmission electron microscopy for ceramic interfaces" Naoya Shibata	"Atomic Scale Mechanical Microscopy" Xiao Dong Han	"Operand Transmission Electron Microscope Observation of Lithium Ion Battery--What happened during the Operation" Yoshifumi Oshima	"Platform of functional metabolic imaging" Mitsutoshi Setou	"Deficits in the GABAergic System after Exposure to Abused Drugs" Sutisa Thanoi
11:30	"Assessment of Strain-generated Oxygen Vacancies Using SrTiO ₃ Bicrystals" Si-Young Choi	"Quantitative X-Ray Microanalysis and High Resolution Imaging With Monte Carlo Simulations" Raynald Gauvin	"Application of Low-voltage S/TEM With EELS and EDS for Soft Materials Analysis" Masanori Koshino	"Mass spectral identification of aquatic 'excretomes' that dictate key ecological interactions" Scott F. Cummins	OA0201 "Methamphetamine impairs the P-gp transporter in primary rat brain microvascular endothelial cells" Pichaya Jumnonprakhon
12:00	"TEM and STEM Investigations of Oxide Thermoelectrics" Miran Čeh	OI0901 Improvement of mass resolution in atom probe tomography for oxide materials with surface modification Chang Min Kwak	OI0503 "Improved heating stage for EBSD In-situ work" Seichi Suzuki	OL0801 "Multimodal approach to improving <i>Macrobrachium rosenbergii</i> aquaculture through in-depth studies into MrNV infection and sperm-egg interaction processes" Atthaboon Watthammawut	OA0202 "Characterization of olfactory ionotropic glutamate receptors 25a in the giant freshwater prawn, <i>Macrobrachium rosenbergii</i> " Natwalee Jaikunta
	OM0501 "In situ Studies of Heat Induced Precipitation of Ytria Precursor using Liquid-Cell Transmission Electron Microscopy" Sašo Šturm	OI1001 "Quality enhancement and strain measurement in HAADF images using Super-Resolution techniques" P. L. Galindo	OI0504 "In-situ TEM study of nano-scale conductive filament used for threshold selector device" Byeong Gyu Chae		OA0203 "Role of Fluoride ingestion in the pathogenesis of Alzheimer's Disease" Raghu Jetti
					OA0204 "Entrapment of the Martin-Gruber anastomotic nerve in the forearm: a case report" Anu V Ranade
12:30	Lunch Talk				
13:30					

	Orchid Room	Dalah-1 Room	Bu-nga Room	Dalah-2 Room	Dalah-3 Room
	M-11 Microscopy and Microanalysis in Industry M-5 Ceramics and Inorganic Materials	M-7 X-ray Analysis of Geological / Mineralogical Materials M-8 Novel Applications of Material Science and Engineering	I-5 In Situ Dynamics in TEM and SEM, Environmental Microscopy I-12 Surface Microscopy with LEEM, PEEM, UHV-SEM, REM and SREM	A-11 Reproductive Biology	A-5 Applied and Clinical Anatomical Sciences
	Chair: Lynne Gignac Co-chair: Paul E. Fishchione	Chair: Nirawat Thammajak Co-chair: Syo Matsumura	Chair: Vilem Nedela Co-chair: Ing Eva Tihlařiková	Chair: Samur Thanoi Co-chair: Somluk Asuvapongpattana	Chair: Wojciech Pawlina Co-chair: Kittikun Vivapinyo
13:30	"Imaging 8 μm thick semiconductor interconnects using 300-400 keVSE, BSE, STEM and 3D FIB-SEM" Lynne Gignac	"X-ray absorption spectroscopy for gemology and mineralogy applications: a case study of fresh-water cultured pearls" Nirawat Thammajak	"Observation of dynamic phenomena using Atmospheric Scanning Electron Microscope (ASEM)" Mitsuo Suga	"Methamphetamine and Changes of Sperm Quality" Samur Thanoi	"Teaching Microscopic Anatomy in Medical Curriculum: Changes, Trends, and Competencies" Wojciech Pawlina
14:00	"Unlocking structure and chemistry at the atomic level through advanced TEM specimen preparation" Paul E. Fishchione	"Structural Investigation of Some Nanocomposite Powders for Li-ion Battery Anode Applications" Makoto Shiojiri	" <i>In-situ</i> preparation method for repetitive ESEM and SEM observation of plant samples" Ing Eva Tihlařiková	OA1 101 Can Parallels be drawn among microscopic features, hysterescopy and endometrial thickness in patients with Abnormal Uterine Bleeding? Shruti Saralaya	OA0501 "Association between age and distal femoral articular surface of knee joint morphological changes in dry bone in a Thai population" Sirimas Prathum
				OA1 102 "Alpha-2 macroglobulin is involved in sperm activation and decapacitation factor of the blue swimming crab, <i>Portunus pelagicus</i> " Thanyporn Senarai	OA0502 "Association between age and tibial articular surface of knee joint morphological changes in dry bone in a Thai population" Kan Wangpiriyapanich
14:30	"Failure Analysis of Semiconductor Devices by FIB-SEM and TEM-EEL" Yasufumi Yabuuchi	"Atomic Resolution Quantification of Elemental Ratio" Mitsutaka Haruta	"Strong perpendicular magnetization of ferromagnetic multi-layers with high brightness and highly spin-polarized LEEM" Takanori Koshikawa	OA1 103 "Alteration of GABA Concentrations in Rat Testis after Methamphetamine Exposure" Paweena Kaewman	OA0503 "Association between age and distal patellar articular surface of knee joint morphological changes in dry bone in a Thai population" Suphawita Pliannuom
					OA0504 "Association between age and acetabular morphological changes in dry bones in a Thai population" Jirath Suriyasathaporn
15:00	OM0502 "Synthesis and characterization of mixed phase TiO ₂ (B)/anatase TiO ₂ thin films on a number of different substrates by LPCVD" Yothin Chimupala	OM0801 "Preparation of Electrospun Polystyrene Fibrous Membranes Containing Silver Nanoparticles" Chutima Srisithiratkul	"Imaging and tailoring chiral magnetism" Andreas Schmid		OA0505 "Age Estimation from Pubic Symphysis in a Thai Population by Using Method of Boldsen <i>et al.</i> " Pornhatai Komutrattanant
	OM0503 "Microstructural evolution of hydroxy/fluoroapatite in the different precursor solution under hydrothermal process" Upsorn Boonyang	OM0802 "Quick Evaluation of Electric Field Surrounding a Charged Particle" Katsuhiro Sasaki			OA0506 "Age Estimation from the Auricular Surface of the Ilium in a Thai Population by Using Method of Boldsen <i>et al.</i> " Treerat Gumpangseth
15:30	Break				
16:00					

Thursday, 26 May 2016

	Orchid Room	Dalah-1 Room	Bu-nga Room	Dalah-2 Room	Dalah-3 Room
	M-11 Microscopy and Microanalysis in Industry Chair: Lynne Gignac Co-chair: Paul E. Fishchione	M-8 Novel Applications of Material Science and Engineering Chair: Nirawat Thammajak Co-chair: Thapanee Sarakonsri	I-5 In Situ Dynamics in TEM and SEM, Environmental Microscopy I-12 Surface Microscopy with LEEM, PEEM, UHV-SEM, REM and SREM Chair: Takanori Koshikawa Co-chair: Sumet Sakulsermsuk		A-6 Teaching Anatomy: On-line, Hands-on & Remote Chair: Kem A. Rogers Co-chair: Kulathida Chaithirayanon
16:00	"Industrial-user-oriented Functionality of Transmission Electron Microscopy Application Software" Hiromitsu Furukawa	"La ordering in epitaxial $\text{Li}_{3x}\text{La}_{2/3-x}\text{TiO}_3$ films and its effects on Li-ion conduction" Kazutaka Mitsuishi	"Structure/Dynamics of Two-Dimensional Layers Studied by Low Energy Electron Microscopy and nano-Low Energy Electron Diffraction" Michael S. Altman		"Design and Implementation of Online Courses in Anatomy and Histology and the Perception of Both Students and the Faculty" Kem A. Rogers
16:30	OM1101 "Scanning electron microscopes with integrated Raman spectrometer revealing new complementary information" Fang Zhou	OM0803 "Inclusion Complex between water-soluble quaternized β -cyclodextrin grafted chitosan and α -mangostin: Influence of degree of β -CD substituted on chitosan" Sarunya Phunpee	OI0505 " <i>In-situ</i> TEM study of deformation behavior in a dual-phase high-entropy alloy AlCoCrFeNi" Qiannan Wang		"Cognitive load and commercial Software Design for Teaching Anatomical Sciences" Sonya Van Nuland
	OM1102 "Surface Sensitive Imaging using Energy Filtered SEM at low kV" Fang Zhou		OI0506 " <i>In-situ</i> nanoengineering based on TEM" Litao Sun		
17:00	OM1103 "Origin of dramatic oxygen solute strengthening effect in Titanium" Qian Yu		OI0507 "Ultra-high resolution SEM for 3D analysis in biology" Jarosav Jiruse		

8:30-12:30	Registration (Graceland Lobby, First Floor)				
	Orchid Room	Dalah-1 Room	Bu-nga Room	Dalah-2 Room	Dalah-3 Room
	M-10 Mineral Geochronology & Isotope Characteristics by X-ray & Ions	I-6 EBSD of Synthetic and Natural Materials			
	Chair: Boontarika Srithai Co-chair: Richard Wirth	Chair: Chaiyasit Banjongprasert Co-chair: Yothin Chimupala			
9:00	"Reviews of geochronology of igneous rocks: implications for tectonic evolution of Thailand" Boontarika Srithai	"Applications of EBSD on Microstructural Investigation of Aluminum and Its Alloys" Chaiyasit Banjongprasert			
9:30	"TEM and FIB: significance of nano-inclusions and microstructure for geochronology" Richard Wirth	OI0601 "Study of pseudo-symmetric misindexing in EBSD analysis of γ -TiAl alloys with refined accuracy band detection" Wu Jiang			
		OI0602 "Direct observation of low angle boundary migration during recrystallization using electron channeling contrast imaging and electron backscatter diffraction" Jin-Su Oh			
10:00	Break				
10:30	Closing Ceremony and Award Presentation (Orchid Ballroom)				
11:00	APMC12 Announcement				
11:30					
12:00	Lunch (Bua Luang Restaurant)				
12:30					
13:00					
13:30					