

(Registration and poster/exhibition set up: Tuesday 27 January 2015 between 15.00 – 18.00)

08.00-09.00	Registration and poster/exhibition set up	
09.00-09.30	Opening Ceremony, Sponsorship Recognition	
09.30-10.15	<b>Plenary Lecture 1 (PL01):</b> Pattern control and chemical reactions in self-assembled organic adlayers <i>Michael Hietschold, Chemnitz University of Technology, Germany</i>	
10.15-11.00	<b>Plenary Lecture 2 (PL02):</b> Selectivity of antibodies, an old topic of unabated interest <i>Wouter H. Lamers, Department of Anatomy &amp; Embryology, Maastricht University, The Netherlands</i>	
11.00-11.15	Coffee Break and Exhibition	
11.15-11.30	<b>Technical Seminar 1 (TS01):</b> The advanced specimen-stage navigation system in transmission electron microscope for biological science <i>(by Becthai Bangkok Equipment and Chemical Co., Ltd., Thailand)</i>	
11.30-11.45	<b>Technical Seminar 2 (TS02):</b> Discover the new reality for your analytical electron microscope <i>Linus Wai (by Bruker Singapore Pte. Ltd., Singapore)</i>	
11.45-12.00	<b>Technical Seminar 3 (TS03):</b> Advances in high-resolution EDS and EBSD characterization tools <i>Wu Jiang (by Oxford Instruments Pte. Ltd. (NanoAnalysis), Singapore)</i>	
12.00-13.00	Group Photo, Lunch and Exhibition	
<b>Parallel Session</b>		
	<b>Physical Science Session (Convention Room)</b>	<b>Biological Science Session (Theater Room)</b>
13.00-13.30	<b>Invited Lecture (IP01):</b> Imaging and spectroscopy of graphene oxide at atomic resolution <i>Chris Boothroyd, Jurich Research Centre, Germany</i>	<b>Invited Lecture (IB01):</b> Changes in iron metabolome during neuroinflammation <i>Wei-Yi Ong, Department of Anatomy, Yong Loo Lin School of Medicine, National University of Singapore, Singapore</i>
13.30-14.00	<b>Invited Lecture (IP02):</b> Structural investigations of ZnO:Al films deposited by radio frequency magnetron sputtering <i>Makoto Shiojiri, Kyoto Institute of Technology, Japan</i>	<b>Invited Lecture (IB02):</b> Topic : Modulation of Synaptic Plasticity by Estrogen and Activated Microglia <i>Sukumal Chongthammakun, Department of Anatomy, Faculty of Science, Mahidol University, Thailand</i>
14.00-14.20	Coffee Break and Exhibition	
14.20-14.35	<b>Oral Presentation (OP01):</b> Energy dispersive X-ray microanalysis and electron diffraction of carbides in high chromium cast irons with Mo or W addition <i>Torrarin Chairuangsi, Department of Industrial Chemistry, Chiang Mai University, Thailand</i>	<b>Invited Lecture (IB03):</b> Diagnostic histopathology of poultry diseases <i>Thaweesak Songserm, Kasetsart University, Thailand</i>
14.35-14.50	<b>Oral Presentation (OP02):</b> An investigation of natural opal from Ethiopia, Madagascar and Australia <i>Chutimun Chanmuang, Faculty of Gems, Burapha University, Chanthaburi Campus, Thailand</i>	
14.50-15.05	<b>Oral Presentation (OP03) :</b> Identification of the unknown spot on the imaging plate in SEM-based X-rays micro-radiography using the Monte Carlo N-particle transport code <i>Narippawaj Ngernvijit, Kasetsart University, Thailand</i>	<b>Invited Lecture (IB04):</b> Vagus nerve stimulation initiated late during ischemia, but not reperfusion, exerts cardioprotection via amelioration of cardiac mitochondrial dysfunction <i>Krekwit Shinlapawittayatorn, Cardiac Electrophysiology Research &amp; Training Center, Faculty of Medicine, Chiang Mai University, Thailand</i>
15.05-15.20	<b>Oral Presentation (OP04):</b> Sensitivity enhanced defocused confocal surface plasmon microscope using beam profile modulation <i>Suejit Pechprasarn, Hong Kong Polytechnic University, Hong Kong</i>	
15.20-15.35	<b>Oral Presentation (OP05):</b> Panorama microscopic image of cylindrical object acquired by a amartphone/tablet <i>Sanong Ekgasit, Sensor Research Unit, Department of Chemistry, Faculty of Science, Chulalongkorn Universit, Thailand</i>	<b>Invited Lecture (IB05):</b> Bridging science and sustainable approaches and strategies aided by microscopical revelations of Malaysia marine invertebrates tangibilities <i>Farid Bin Che Ghazali, School of Health Sciences, Universiti Sains Malaysia, Malaysia</i>
15.35-15.50	<b>Oral Presentation (OP06)</b> Characterisations and Photoelectrochemical Properties of TiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub> and ZrO <sub>2</sub> Nanotubes Formed by Anodic Process <i>Zainovia Lockman, Kejuruteraan Bahan, Kampus Kejuruteraan, Universiti Sains Malaysia, Malaysia</i>	
16.00-16.30	Poster Session / Micrograph Contest / Exhibition (Convention Room)	Sponsor Thank You Reception (Meeting Room I)
16.30-17.00		CAPSM/ASEAN Microscopy Society Committee Assembly (Meeting Room I)
17.00-18.00		Annual General Meeting 2014 : The Microscopy Society of Thailand (Meeting Room I)
18.00-21.00		Banquet (Erber Research Center)

Parallel Session		
Physical Science Session (Convention Room)	Biological Science Session (Theater Room)	
08.30-09.00	<b>Invited Lecture 3 (IP03):</b> Microstructure evolution in an Al-Mg-Er alloy during fatigue deformation <i>Kui Du, Chinese Academy of Sciences, China</i>	<b>Student presentation (OB01):</b> Protoconch parameters of <i>Pseudoplotia scabra</i> (Müller, 1774), formerly <i>Thiara scabra</i> (Cerithioidea, Thiaridae) <i>Dusit Boonmekam, Parasitology and Medical Malacology Research Unit, Department of Biology, Faculty of Science, Silpakorn University, Thailand</i>
09.00-09.15	<b>Invited Lecture 3 (IP04):</b> The role of reactive elements in the corrosion behaviour of high temperature alloys <i>Pudji Untoro, Center for Innovation and Certification Surya University, Indonesia</i>	
09.15-09.30		
09.30-09.45	<b>Student Presentation (OP07):</b> Extraordinary optical transmission of natural aragonite plates <i>Chutiparn Lertvachirapaiboon, Sensor Research Unit, Department of Chemistry, Faculty of Science, Chulalongkorn University, Thailand</i>	<b>Student presentation (OB02):</b> Co-culture of fish cell lines and virus associated with pike lymphoma <i>Bharkbhoom Jaemsai, Department of Biology, Faculty of Science, Khon Kaen University, Thailand</i>
09.45-10.00	<b>Student Presentation (OP08):</b> Hydrothermal synthesis, characterization, and photoluminescence of GdVO <sub>4</sub> :Eu <sup>3+</sup> nanophosphors <i>Watcharapong Pudkon, department of chemistry, Chiang Mai University, Thailand</i>	<b>Student presentation (OB03):</b> Morphological studies of larvae and pupae of <i>Lutzia</i> species (Diptera: Culicidae) from Doi Inthanon and the plains of Chiang Mai Province <i>Korrawat Attasapa, Department of Parasitology, Faculty of Medicine, Chiang Mai University, Thailand</i>
10.00-10.20	<b>Coffee Break and Exhibition (Convention Room)</b>	
10.20-10.35	<b>Student Presentation (OP09):</b> Electron microscopy characterization of Sn/graphene composites; anode for lithium-ion batteries <i>Benjaporn Jarulertwathana, Department of Chemistry, Chiang Mai University, Thailand</i>	<b>Invited Lecture (IB06):</b> Efficient Histology Teaching in a problem-based learning environment – is it possible? <i>Eleonore Köhler, Department of Anatomy &amp; Embryology, Maastricht University, The Netherlands</i>
10.35-10.50	<b>Student Presentation (OP10):</b> Preparation and electron microscopy characterization of silicon-tin on graphene for use as anode materials in lithium ion battery <i>Viratchara Laakawee, Department of Chemistry, Chiang Mai University, Thailand</i>	<b>Student presentation (OB04):</b> Ultrastructure of male genitalia of <i>Lucilia</i> Robineau-Desvoidy (Diptera: Calliphoridae) forensically-important blow flies <i>Narin Sontigun, Department of Parasitology, Faculty of Medicine, Chiang Mai University, Thailand</i>
10.50-11.05	<b>Student Presentation (OP11):</b> SEM-EDS study of high chromium white cast irons containing Mo subjected to erosion-corrosion <i>Suttawan Imurai, Department of Physics and Materials Science, Chiang Mai University, Thailand</i>	
11.05-11.20	<b>Student Presentation (OP12):</b> Microstructure investigation of the iron nanoparticles on carbon support prepared by electrochemical deposition method <i>Warapa Susingrat, Department of Chemistry, Chiang Mai University, Thailand</i>	
11.20-12.20	<b>Lunch and Exhibition (Convention Room)</b>	
12.20-19.00	<b>Excursion</b>	

Parallel Session		
Physical Science Session (Convention Room)	Biological Science Session (Theater Room)	
08.30-08.45	<b>Oral Presentation (OP13):</b> The effect of microstructure on the thermal conductivity of silicon nitride ceramics <i>Servet Turan, Anadolu University, Turkey</i>	<b>Oral presentation (OB07):</b> Surface topography of the tegument of adult rumen fluke, <i>Fischoederius cobboldi</i> <i>Panat Anuracpreeda, Division of Agricultural Science, Mahidol University, Kanchanaburi Campus, Thailand</i>
08.45-09.00	<b>Oral Presentation (OP14):</b> Silver-polymer nanocomposite film fabrication via direct impregnation and thermal decomposition of silver carboxylate in polymeric media <i>Tewarak Parnklang, Sensor Research Unit, Department of Chemistry, Faculty of Science, Chulalongkorn University, Thailand</i>	<b>Oral presentation (OB08):</b> Morphology of Saccular Otolith from Freshwater Fish (Order Synbranchiformes) in Southern Thailand <i>Suwit Jitpukdee, Department of Environment, Faculty of Science and Fisheries Technology, Rajamangala University of Technology Srivijaya, Trang Campus, Thailand</i>
09.00-09.15	<b>Oral Presentation (OP15):</b> Precipitation behavior of CuAgZr alloy: an <i>in-situ</i> heating TEM study <i>Waraporn Piyawit, Suranaree University of Technology, Thailand</i>	<b>Oral presentation (OB09):</b> Biofilm on a ceramic water filter surface <i>Chonlada Pokhum, NANOTEC, National Science and Technology Development Agency (NSTDA), Thailand</i>
09.15-09.30	<b>Oral Presentation (OP16):</b> Using a controlled pressure FEG-SEM to acquire EBSD data on non-conductive samples to determine microstructure <i>Brisset Francois, CNRS – University, France</i>	<b>Oral presentation (OB10):</b> Pollen source of <i>Apis mellifera</i> in Terengganu, Malaysia <i>Abd Razak Shamsul Bahri, Microscopy Research Group, Crop Science Laboratories, School of Food Science and Technology, Universiti Malaysia Terengganu, Malaysia</i>
09.30-09.45	<b>Oral Presentation (OP17):</b> The effect of microstructure obtained after sintering on the Creep of SiAlON <i>Dilek Turan, Anadolu University, Turkey</i>	
09.45-10.05	<b>Coffee Break and Exhibition (Convention Room)</b>	
10.05-10.20	<b>Technical Seminar 5 (TS04):</b> Meeting the Challenges of Imaging Nanostructures by Very Low Energy SEM with Nano-Twin Lens Technology and Tandem Beam Deceleration Mode <i>Eugene Choo (by Carl Zeiss Co., Ltd., Thailand)</i>	
10.20-10.35	<b>Technical Seminar 6 (TS05):</b> Unmask the Secrets of Fluorescence-Labeled Specimens by Confocal Laser Scanning Microscopy Based Super Resolution with Sub-Airy Sampling <i>Samuel Ko (by Carl Zeiss Co., Ltd., Thailand)</i>	
10.35-10.50	<b>Technical Seminar 7 (TS06):</b> Energy Dispersive X-Ray Fluorescence Spectrometer – Principle, Functionality & Applications <i>Alvin Chua (by Extrad Instruments (Thailand) Co., Ltd., Thailand)</i>	
11.00-12.00	<b>Awards and Closing Ceremony (Convention Room)</b>	
12.00-13.00	<b>Lunch</b>	