



## Analytical Chemistry (AN)

Session AN1

Room# BB 401

Date Feb 2, 2017

Time 14:30-16:00

**Conductor:** Assoc. Prof. Dr. Duangjai Nacapricha

**Co-conductor:** Asst. Prof. Dr. Nuanlaor Ratanawimarnwong

Time	Code	Presenter	Title
14:30-15:00	AN-I-001	Prof. Dr. Fortunato Sevilla III, University of Santo Tomas, Philippines	Volatinomic fingerprinting for the differentiation of plants and plant-derived materials using gas-phase Fourier-Transform Infrared Spectroscopy and Electronic Nose Technology
15:00-15:30	AN-I-005	Prof. Dr. Sanong Ekgasit, Chulalongkorn University, Thailand	Functional nanostructures for highly sensitive surface enhance Raman spectroscopy
15:30-15:45	AN-O-001	Zvi C. Koren, Shenkar College of Engineering, Design and Art, Israel	Green chemistry of the ancient dyer investigated via analytical chromatography
15:45-16:00	AN-O-002	Sukpiriya Meesin, KMUTNB, Thailand	Development and dose evaluation of alanine dosimeter using boric acid as a binder

Session AN2

Room# BB 401

Date Feb 2, 2017

Time 16:15-18:00

**Conductor:** Asst. Prof. Dr. Wipharat Chuachud Chaiyasith

**Co-conductor:** Asst. Prof. Dr. Anchalee Samphao

Time	Code	Presenter	Title
16:15-16:30			
16:30-17:00	AN-I-003	Assoc. Prof. Dr. Atitaya Siripinyanond, Mahidol University, Thailand	Use of atomic absorption spectrometry for providing particle size information of silver and gold nanoparticles
17:00-17:15	AN-O-003	Karma Wangmo, Mahidol University, Thailand	Thermospray flame furnace atomic absorption spectrometry for the determination of manganese and lead: Use of organic solvents and air as carrier
17:15-17:30	AN-O-004	Dedy H.B. Wicaksono, Swiss German University, Indonesia	Size-based particles processing using microfluidic fabric-based analytical device
17:30-17:45	AN-O-005	Sung Won Kwon, Seoul National University, Korea	Hyphenated technique based metabolomics approach for the pathogenesis of respiratory diseases



**Session AN3**

**Room# BB 404**

**Date Feb 3, 2017**

**Time 13:15-15:00**

**Conductor:** Assoc. Prof. Dr. Atitaya Siripinyanond

**Co-conductor:** Asst. Prof. Dr. Chandrladda Chotratanadilok

Time	Code	Presenter	Title
13:15-13:45	AN-I-004	Assoc. Prof. Dr. Duangjai Nacapricha, Mahidol University, Thailand	Membraneless gas-liquid separation and its evolution in fluidic analysis from tubular to paper
13:45-14:00	AN-O-006	Nidup Wangdi, Mahidol University, Thailand	Determination of hypochlorite by using membraneless gas-separation microfluidic paper-based analytical device
14:00-14:15	AN-O-007	Seth Doe-Puplambu, Prince of Songkla University, Phuket Campus, Thailand	Detection of cyanide in water by environmentally friendly colorimetry with digital image analysis
14:15-14:30	AN-O-008	Jutaporn Keson, Prince of Songkla University, Phuket Campus, Thailand	Hydrogel sensor for ammonium nitrate detection
14:30-14:45	AN-O-009	Maneerat Ruangnun, Prince of Songkla University, Thailand	Assessment methods for <i>Hevea brasiliensis</i> latex foaming for foam production process

**Session AN4**

**Room# BB 404**

**Date Feb 3, 2017**

**Time 15:15-16:45**

**Conductor:** Prof. Dr. Orawon Chailapakul

**Co-conductor:** Dr. Chatchalida Boonpanaid

Time	Code	Presenter	Title
15:15-15:45	AN-I-002	Prof. Dr. Toshihiko Imato, Kyushu University, Japan	Immunoassay on compact disk-type microchip based on electrogenerated chemiluminescence using carbon dots
15:45-16:00	AN-O-010	Kalaya Changkrueng, Kasetsart University, Thailand	Uranium-thorium and rare earth separation by using cation exchange resin with electron deposition
16:15-16:30	AN-O-011	Sira Sansuk, Khon Kaen University, Thailand	A simple green enrichment approach for the determination of anionic analytes based on electrostatically driven assembly