



## Inorganic Chemistry (IN)

Session IN1

Room# BB 207

Date Feb 2, 2017

Time 14:30-16:00

Conductor: Prof. Dr. Kotohiro Nomura

Time	Code	Presenter	Title
14:30-15:00	IN-I-001	Prof. Dr. Kotohiro Nomura, Tokyo Metropolitan University, Japan	Design and synthesis of highly active olefin metathesis vanadium-alkylidene catalysts
15:00-15:30	IN-I-002	Assoc. Prof. Dr. David J. Harding, Walailak University, Thailand	Coordination complexes as molecular switches: adventures in molecular magnetism
15:30-15:45	IN-O-002	Go Nagai, Tokyo Metropolitan University, Japan	(Imido)vanadium(V) and half-titanocene complexes containing anionic N-heterocyclic carbenes that contain a weakly coordinating borate moiety (WCA-NHC): New efficient olefin polymerization catalysts
15:45-16:00	IN-O-013	Songtham Ruangchaithaweek, Kasetsart University, Thailand	Combined experimental and computational study of <i>trans-cis</i> isomerization of potassium dioxalatodiaquachromate(III)

Session IN2

Room# BB 207

Date Feb 2, 2017

Time 16:15-18:00

Conductor: Prof. Dr. Takumi Konno

Time	Code	Presenter	Title
16:15-16:45	IN-I-003	Prof. Dr. Takumi Konno, Osaka University, Japan	A Variety of metallosupramolecular architectures derived from gold(I) metalloligands with D-penicillamine
16:45-17:15	IN-I-004	Assoc. Prof. Dr. Apinpus Rujiwatra, Chiang Mai University, Thailand	Structures, gas adsorption behavior and photoluminescence of new microporous [Ln(C <sub>8</sub> H <sub>3</sub> NO <sub>6</sub> )(L)0.5(H <sub>2</sub> O)]·3H <sub>2</sub> O (L = C <sub>8</sub> H <sub>4</sub> O <sub>4</sub> or C <sub>8</sub> H <sub>4</sub> O <sub>4</sub> /C <sub>8</sub> H <sub>3</sub> NO <sub>6</sub> )
17:15-17:30	IN-O-003	Thanakit Sirimahasal, KMUTNB, Thailand	Synthesis and characterization of bismuth oxo compounds supported on TiO <sub>2</sub> photocatalysts for waste water treatment
17:30-17:45	IN-O-004	Takuya Omiya, Tokyo Metropolitan University, Japan	Synthesis and some reactions of Niobium(V) complexes containing chelate tris(aryloxo)amine ligands
17:45-18:00	IN-O-014	Bachari Rotsut, Valaya Alongkorn Rajabhat University under the Royal Patronage, Thailand	Synthesis, characterization and antibacterial activity of new schiff base cobalt(II) and nickel(II) complexes



**Session IN3**

**Room# BB 207**

**Date Feb 3, 2017**

**Time 10:30-12:15**

**Conductor:** Prof. Dr. Mokoto Ogawa

**Co-conductor:** Assoc. Prof. Dr. Nithima Khaorapapong

Time	Code	Presenter	Title
10:30-10:45			
10:45-11:15	IN-I-005	Prof. Dr. Mokoto Ogawa, VISTEC, Thailand	Purification and application of smectites, a natural nanomaterial with versatile application
11:15-11:45	IN-I-006	Assoc. Prof. Dr. Khamphree Phomphrai, VISTEC, Thailand	Synthesis of oligoesters: Approaches and the catalyst screening
11:45-12:00	IN-O-005	Saowalak Phikulthai, Kasetsart University, Thailand	Adsorption of ammonia on zirconium-based metal-organic framework: A combined experiment and theoretical study
12:00-12:15	IN-O-006	Goeun Choi, Ewha Womans University, Korea	Vectorized inorganic nanovehicle for targeted delivery of anticancer agent

**Session IN4**

**Room# BB 207**

**Date Feb 3, 2017**

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

**Conductor:** Prof. Dr. Thawatchai Tuntulani

**Co-conductor:** Prof. Dr. Jan Weigand

Time	Code	Presenter	Title
13:15-13:45	IN-I-007	Prof. Dr. Jin-Ho Choy, Ewha Womans University, Korea	Hybrid drug delivery systems in nanomedicine
13:45-14:15	IN-I-008	Prof. Dr. Jan Weigand, Technical University Dresden, Germany	Phosphorus in sustainable applications - from supramolecular chemistry to hydrometallurgical recovery of rare earth metals within the urban mining
14:15-14:30	IN-O-008	Yurachat Janpatompong, Walailak University, Thailand	Investigation of Fe(III) spin crossover complexes using X-ray Crystallographic studies
14:30-14:45	IN-O-009	Darunee Sertphon, Walailak University, Thailand	Solvent control spin crossover in $[\text{Fe}(\text{qsal-4-OMe})_2]\text{NCS}\cdot\text{solvent}$
14:45-15:00	IN-O-010	Sasiwimon Kraithong, Silpakorn University, Thailand	A highly selective and sensitive NBD-based fluorescent and colorimetric sensor for $\text{Hg}^{2+}$ detection

**Room# BB 207**

**Date Feb 3, 2017**

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



### Session IN5

**Conductor:** Prof. Dr. Thawatchai Tuntulani

**Co-conductor:** Assoc. Prof. Dr. Apisit Songsasen

Time	Code	Presenter	Title
15:15-15:45	IN-I-009	Vuthichai Ervithayasuporn, CST Distinguished Young Chemist Award 2016	Cage-like silsesquioxanes designed as catalytic support
15:45-16:00	IN-O-011	Worrapoj Klinpetch, Silpakorn University, Thailand	Determination of Hg <sup>2+</sup> by FRET based on a Novel [5]-Helicene and Dirhodamine B Tris system
16:00-16:15	IN-O-012	Nirawit Kaewnok, Silpakorn University, Thailand	A novel highly selective "turn-on" fluorescence sensor for the determination of Cu(II) based on [5]helicene fluorophore
16:15-16:30	IN-O-007	Worawaran Thongnuam, Kasetsart University, Kamphaeng Saen Campus, Thailand	A combined experiment and theoretical study on the aldol condensation on zirconium-based metal-organic framework functionalized by a sulfonic acid group

### Session IN6

**Room# BB 203**

**Date Feb 3, 2017**

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

**Conductor:** Assoc. Prof. Dr. Ladda Meesuk

Time	Code	Presenter	Title
15:15-15:30	IN-O-015	Karthik Chandrasekaran, Naresuan University, Thailand	The effect of metal-binding on the luminescence response of a tris-cyclometalated iridium complex
15:30-15:45	IN-O-016	Oranual Hanmeng, Silpakorn university, Thailand	A novel naphthalimide derivative efficient in on-off fluorescence sensor for determining Hg <sup>2+</sup> ions
15:45-16:00	IN-O-017	Suphaluk Jarutikorn, Silpakorn University, Thailand	"Turn On" fluorescent sensor with highly selective for Ag <sup>+</sup> detection in aqueous solution
16:00-16:15	IN-O-018	Laddawan Boonglomglin, Thammasat university, Thailand	Paraquat photodegradation on copper sulfide with different sulfur ratios
16:15-16:30	IN-O-001	Subrata Das, National Institute of Technology Patna, India	Structural basis for molecular recognition of N,N'-dimethyl violuric acid and its metal derivatives