

# 無機化学・錯体化学

平成 25 年 9 月 28 日～30 日 E 会場

セッションオーガナイザー：金井塚 勝彦（山形大理）、崎山 博史（山形大理）、栗原 正人（山形大理）、星野 哲久（東北大多元研）、芥川 智行（東北大多元研）

9 月 28 日（土）

**9:00 - 10:30** 座長：芥川 智行（東北大多元研）

9:00 - 9:30 28E1 岡崎 雅明 (弘前大院理工)

“Lewis Acid Chemistry of an Ethynyl Cation Semi-Stabilized by a Tetrairon Core”

9:30 - 9:50 28E2 高石 慎也 (東北大院理)

“Syntheses of Covalent Molecular Clusters and their Expansion”

9:50 - 10:30 28E3 Li-Min Zheng (Nanjing University, China)

“Low-dimensional Magnetic Materials based on Metal Phosphonates: Tuning the Magnetic Behaviors via Weak Interactions”

10:30 - 10:40 Break

**10:40-12:00** 座長：高石 慎也 (東北大院理)

10:40 - 11:20 28E4 Leroy Cronin (Glasgow University, U.K.)

“A New Theory for Inorganic-Self-Assembly via Nested Autocatalytic Templates and Autocatalytic Sets”

11:20 - 11:40 28E5 二瓶 雅之 (筑波大数物)

“Controlled Electron Transfers in Cyanide-Bridged Multi-Nuclear Complexes”

11:40 - 12:00 28E6 蟹江 澄志 (東北大多元研)

“Nanoparticle-Based Liquid-Crystalline Superlattice: Self-Assembling Nanoparticles with Dendrimeric Outer Corona”

**13:00 - 14:30** 座長：金井塚 勝彦(山形大理)

13:00 - 13:40 28E7 Yu-Wu Zhong (Chinese Academy of Science, China)

“Electrochromism in Electropolymerized Films of Cyclometalated Ruthenium Complexes”

13:40 - 14:10 28E8 加藤 昌子(北大院理)

“Chromic Metal Complexes with Photofunctionality”

14:10 - 14:30 28E9 正岡 重行(分子研)

“Water Oxidation Catalyzed by Metal Complexes”

14:30 - 14:40 Break

- 14:40 – 15:30 座長：崎山 博史(山形大理)  
14:40 – 15:00 28E10 越山 友美(九大院理)  
“Construction of a novel reaction system using liposome space”  
15:00 – 15:30 28E11 小島 隆彦(筑波大数物)  
“A Chemistry of Ruthenium-Pyridylamine Complexes”  
15:30 – 17:00 Poster

### **Sept. 29**

- 9:00 – 10:50 座長：栗原 正人(山形大理)  
9:00 – 9:30 29E1 鷗沼 英郎(山形大院理工)  
“Development of Ceramics-Based Novel Biomedical Materials”  
9:30 – 10:10 29E2 Shie-Ming Peng (National Taiwan University, Taiwan)  
“The Road to Molecular Metal Wires: The Past and Recent Advances of Metal String Complexes”  
10:10 – 10:30 29E3 Richard Murdey (Kyoto University, Japan)  
“Photoconductivity of metal phthalocyanine thin films”  
10:30 – 10:50 29E4 野呂 真一郎(北大電子研)  
“Rational Synthesis of Flexible Metal Complexes Using Fluorinated Anions and Their Host-Guest Properties”  
11:00 – 12:30 Poster

### **Sept 30**

- 9:00 – 10:30 座長：宮坂 等(東北大金研)  
9:00 – 9:30 30E1 Carsten Streb (University of Erlangen, Germany)  
“Building Functional Materials from Molecular Vanadium Oxides”  
9:30 – 9:50 30E2 石崎 学(山形大理)  
“Function and Property Control of Prussian Blue Nanoparticles by the Surface Modification”  
9:50 – 10:10 30E3 久米 晶子(広島大院理)  
“Stimulation-Transduction-Reaction Linking through the Mechanical Movement on the Metal Center”  
10:10 – 10:30 30E4 綱島 亮(山口大院理工)  
“Designs and Characteristics of Polyoxometalate-Based Functional Materials”  
10:30 – 12:00 Poster