

Symposium S1, September 18 (Wed.) 15:00-18:20, IBIDEN Innovation Hub

Carbocyclic π -Ligand Metal Complexes – The Continuously and Still Promising Ligand Systems in Organometallic Chemistry

Organizers:

Takanori Iwasaki (The Univ. of Tokyo), Koji Yamamoto (National Defense Academy)

15:00–15:05 **Opening remarks** Takanori Iwasaki (The Univ. of Tokyo)

Chair: Koji Yamamoto (National Defense Academy)

15:05–15:30 **S1-01** Metal Sandwich Complexes and Beyond: Cyclic Unsaturated Hydrocarbon Ligands as Face-Capping Ligands
Tetsuro Murahashi (Tokyo Institute of Technology)

15:30–15:55 **S1-02** 20-electron Ferrocene Derivatives: Synthesis, Characterization, and Reactivity
Satoshi Takebayashi (Okinawa Institute of Science and Technology)

15:55–16:20 **S1-03** Catalytic C(sp³)-H Functionalization Using Group 9 Metal Catalysts with Cp-type Ligands
Tatsuhiko Yoshino (Kyoto Univ.)

16:20–16:45 **S1-04** Synthesis and Properties of Germanium and Silicon Analogs of Carbyne Complexes Supported by Cp* Ligands
Hisako Hashimoto (Tohoku Univ.)

16:45–17:00 **Break**

Chair: Takanori Iwasaki (The Univ. of Tokyo)

17:00–17:25 **S1-05** Metal-Ligand Cooperative Group 13/14 Element-Hydrogen Bond Cleavage by Cyclopentadienone Metal Complexes
Shuhei Kusumoto (Tokyo Metropolitan Univ.)

17:25–17:50 **S1-06** Fused Tropone-Based Metal Complexes and Beyond
Takuya Kodama (Osaka Univ.)

17:50–18:15 **S1-07** Synthesis and Catalytic Activity of Functionalized CpRh/Ir Complexes
Ken Tanaka (Tokyo Institute of Technology)

18:15–18:20 **Closing remarks** Koji Yamamoto (National Defense Academy)