

International Symposium on Structural Thermodynamics(ISST2018)

“Electron Correlation in New Materials”

Room D307, Graduate School of Science, Osaka University
19th February 2018 13:00-17:50

Opening

13:00-13:45 Hidemi Nagao, Graduate School of Natural Science and Technology, Kanazawa University, Japan
Theoretical Model for Assessing Properties of Local Structures in Metalloprotein

13:45-14:30 Yasutaka Kitagawa, Graduate School of Engineering Science, Osaka University, Japan
DFT Study on Magnetic Interaction between f and π Electrons in Tb(III)-phthalocyanine Double-Decker (TbPc₂) Complex

14:30-15:15 Akihiko Fujiwara, School of Science and Technology, Kwansai Gakuin University, Japan
Structure and Transport Properties of Solution Processed In-Si-O Thin Films

Break

15:35-16:20 Hyun-Tak Kim, ETRI, Daejeon, South Korea
Mott transition in strongly correlated materials

16:20-17:05 Sergei Kruchinin, BITP, Kiev, Ukraine & RCST, Osaka University, Japan
Nano-size Effects in Quantum Dot Superconductor

17:05-17:15 Yuki Matsumura, Graduate School of Science, Osaka University, Japan
Thermodynamic Study of the Mott boundary region of 2D κ -type Organic Superconductors

17:15-17:25 Shusaku Imajo, Graduate School of Science, Osaka University, Japan
Calorimetric Evidence of d-wave pairing in κ - and λ -type Organic Superconductors

17:25-17:45 Yasuhiro Nakazawa, Graduate School of Science&RCST, Osaka University, Japan
Chemical and External Pressure Controlled Calorimetry in Superconductive Phase of Dimer-Mott Organic Complexes

Closing Prof. Sergei Kruchinin

Banquet

*45min talk including 5-10min discussion time
10min talk includes 2min discussion time
20min talk includes 5min discussion time