

Special Lecture by Prof. Shie-Ming Peng

Educational and Professional

National Taiwan University	B.S.	1970
The University of Chicago	Ph.D. (V. Goedken)	1975

Current Position and Relevant Experience

Academia Sinica	Vice President	2011-2014
National Taiwan University	Professor	1980-Now



Date: 15:00-, January 26th (Tue), 2016

Venue: E209 room, School of Science, Hiroshima University

Title: From Homonuclear Metal String Complexes to Heteronuclear Metal String Complexes

The study of metal string complexes with 1-D transition metal frameworks began in the early 1990s. Since these complexes provide great insight into multiple metal-metal bonds, and may have potential applications as molecular wires, this field of research has grown in the past 20 years. As such, the electronic structure of the simplest trinuclear complexes, the supporting ligand systems, and single molecular conductance of metal string complexes are discussed. This review will introduce the development of this field and summarize some important results in the newly designed heteronuclear metal string complexes (HMSCs). These molecules may be of great interest in studying the nature of heterometallic electronic effects and molecular electronic applications.

この講演は5研究科共同セミナーの認定科目です。理学研究科 安倍 学 (7 4 3 2)