



FACULTY OF SCIENCE  
Charles University

School of Chemistry, Faculty of Science,  
Charles University invites for the lecture

# Quo Vadis Chemie

## Doubly bonded silicon and aluminum compounds



which will be delivered by

**Professor Shigeyoshi Inoue**

Department of Chemistry,  
Technical University Munich, Germany

**on March 19, 2018 at 15:00**

the Lecture Hall CH2 at the School of Chemistry, Faculty of Science, Hlavova 8

Nowadays it is widely recognized that some low-valent main group compounds bear properties similar to transition metals. For several years, we were interested in the synthesis, structure and reactivity of compounds containing low-valent main group elements with unusual structures and electronic properties, with the goal of finding novel applications. Due to their intriguing reactivity, main group compounds with multiple bond are of particular interest. This presentation will focus on the synthesis of novel doubly bonded silicon and aluminum compounds and their reactivity towards organic small molecules.

