School of Chemistry, Faculty of Science (FoS) would like to invite you to attend the lecture

## **Quo Vadis Chemie**

## Sustainable Catalytic Transformation from Monofunctionalized Chemical Feedstocks



which will be delivered by

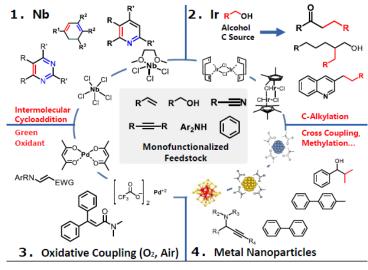
## Prof. Yasushi OBORA

Department of Chemistry and Materials Engineering, Kansai University, Japan

## on 23.10. at 15:00

the Lecture Hall CH2, the School of Chemistry Building, FoS CU, Hlavova 8, Praha 2

Abstract: Development of environmentally benign catalytic process for production of various fine chemicals from easily accessible chemical feedstock as starting materials.



High performance utilization of raremetal resources as catalyst for achieving one-step, green, and energy-saving transformations organic of alkenes, alcohols, and amines by using low-valent Nb-, Ir-, and Pd-catalyzed transformations using simple will be reported. Synthesis of colloidal DMF-protected single-nanosized metal nano-particles (Pd, Ir, Cu, Fe) and their use in highly active catalyst for cross-coupling reactions and transfer hydrogenation using methanol as C1 source will bementioned as well.