



Department of Chemistry, Faculty of Science, Charles University in Prague
invites for a lecture organized as part of the lecture series

Quo Vadis Chemistry

Playing with phosphorus, water and metals: towards a metal-mediated chemistry of elemental phosphorus



which will be delivered by

Maurizio Peruzzini

from ICCOM - CNR
Florence, Italy

on March 27, 2017 at 15:00

in the lecture hall CH2 at the chemistry departments of Faculty of
Science, Charles University in Prague, Hlavova 8, Praha 2

The lecture will provide an overview of the recent achievements in the area of transition metal mediated reactivity of elemental phosphorus deriving from the author's own research in Florence. Highlights will include the activation of white phosphorus with particular emphasis on the unusual hydrolytic behaviour of the P₄ molecule following its coordination to metal centre(s) (Fe, Ru, Os), which eventually results in a variety of organometallic compounds featuring unusual low-valent phosphorus species as the ligands.

Controlling the activation of white phosphorus by transition metals

