

Istituto di Chimica dei Composti Organometallici – ICCOM

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*Relazione scientifica sulla visita del Professore **HIROSHI NAKAZAWA** nell'ambito del programma di mobilità di breve durata dei ricercatori per l'anno 2015.*

SCIENTIFIC REPORT

The visit of Professor Hiroshi Nakazawa from the Department of Chemistry of Osaka City University (Japan) at CNR ICCOM in Sesto Fiorentino (FI), took place from 6th November to 20th November 2015.

During this period, Professor Nakazawa had many meetings and discussions with young and senior researchers at ICCOM, concerning the projects developed in the Institute, in particular with Dr. Maria Caporali and Dr. Maurizio Peruzzini about the possibility to develop the chemistry of activation and functionalization of elemental phosphorus mediated by organometallic iron complexes prepared in Nakazawa's group.

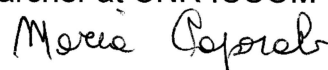
Professor Nakazawa gave a lecture at CNR ICCOM titled "Selective Strong Bond Cleavage Catalyzed by Transition Metal Complexes" presenting his latest results on the hydrophosphination reaction catalysed by mononuclear iron complexes.

The visit of Professor Hiroshi Nakazawa has also served to prepare a proposal in order to set up for the next year 2016 a joint collaboration between CNR ICCOM and Osaka City University, based on an exchange of students between the two groups. In conclusion, the period spent by Professor Nakazawa in Florence has been fruitful and has contributed to set-up a scientific collaboration in the chemistry of activation and transformation of elemental phosphorus into high valuable organophosphorus compounds.

A proper acknowledgement to the STM program will be given in any publication/communication should be prepared jointly by the two research teams.

Dr Maria Caporali

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