

DEPARTMENT OF MOLECULAR SCIENCE AND NANOSYSTEMS

Seminars of the PhD Programme in Chemistry

From Plant to Plant - Hydrothermal Conversion of Biomass, BioCrude Upgrading and Renewable Chemicals

Prof. Thomas Maschmeyer

School of Chemistry, The University of Sydney - Australia

May 15th, 2018 at 14:30

Room Delta 0A - Campus Scientifico, Via Torino

Abstract

Are renewables hype or reality? Following on from a general overview, the processing of biomass into biocrude and its further upgrading within various existing refinery streams will be discussed in detail, both from a chemical (reaction mechanisms) and a chemical engineering (refinery processes) point of view.

In addition, Kraft lignin will be showcased as a source of renewable aromatics and new green opportunities for the alkylation of lignin-based catechols will be introduced.

L'organizzatore
prof. Alvise Perosa

Il Vice-Coordinatore del Dottorato in Chimica
prof. Alessandro Scarso

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