



NIS Colloquium

From olefins to oligomers & polymers: the fundamental role of catalysis

Torino, Friday 11 July 2014

Aula Diagonale, via P. Giuria 7

Organizers: Caterina Barzan, Elena Groppo, Silvia Bordiga, Alessandra Quadrelli

9.00 - 9.10 – **Adriano Zecchina** – *NIS and Dipartimento di Chimica, Università di Torino*

Welcome and Introduction to the Colloquium

Chair: Adriano Zecchina

9.10 - 9.50 – **Robert Duchateau**, *Dep. of Chemical Engineering & Chemistry, Eindhoven University*

Controlling the selectivity of chromium-based ethylene oligomerization catalysts

9.50 - 10.30 – **Alessandro Damin**, *NIS and Dipartimento di Chimica, Università di Torino*

Properties of a Cr/SiO₂ model system highlighted by a joint experimental and computational approach

Coffe break

Chair: Silvia Bordiga

11.00 - 11.40 – **Caterina Barzan**, *NIS and Dipartimento di Chimica, Università di Torino*

The old Phillips catalyst reinvents itself: examples of (rational) modifications of the Cr active sites

11.40 - 12.20 – **Klaus Joachim Jens**, *Telemark University College*

From olefin dimerization to olefin conversion

Lunch

Chair: Elena Groppo

13.50 – 14.30 – **Vincent Monteil**, *CNRS-CPE Lyon*

New trends in olefin/vinyl polar copolymerization: toward hybrid radical/catalytic routes

14.30 - 15.10 – **Incoronata Tritto**, *ISMAR-CNR Milan*

Cycloolefin Polymerization with Transition Metal Catalysts

Coffe break

Chair: Silvia Bordiga

15.30 - 16.10 – **Magda D'Amore**, *Università di Napoli* & **Elena Groppo**, *NIS and Dipartimento di Chimica, Università di Torino*

Surface properties of MgCl₂/TiCl₄ Ziegler-Natta catalysts: do experiments meet theoretical modeling?

16.10 - 16.50 - **Mario Chiesa**, *NIS and Dipartimento di Chimica, Università di Torino*

Probing the Nature of Ti(III) Centres in Activated Ziegler-Natta Heterogeneous Catalysts. The Role of EPR Spectroscopy.

Registration is free but requested

please send an e-mail to caterina.barzan@unito.it before 08-06-2014