



NIS Colloquium

Olefin polymerization heterogeneous and homogeneous catalysts: structure-activity-selectivity relationship

Torino, 5-6 October 2006

Aula Cannizzaro – Istituto Chimico – via P. Giuria 7

PROGRAMME

October 5th

- 11.30-11.40 **Adriano Zecchina** – NIS-Centre of Excellence - Greeting
- 11.40-12.10 **Vincenzo Busico** (University of Napoli Federico II, Dep. of Chemistry, Napoli, I)
“Heterogeneous Ziegler-Natta catalysts: what we pretend to know, what we possibly know”
- 11.20-12.50 **Incoronata Tritto** (Istituto per lo Studio delle Macromolecole, Milano, I)
“Metallocene-based polymerization catalysts”

Lunch time

- 14.30-15.00 **Elena Groppo** (University of Torino, Dep. of Chemistry IFM and NIS, Torino, I)
“Cr/SiO₂ Phillips catalyst: recent improvements in the understanding of its structure/activity relationship and of the ethylene polymerization mechanism”
- 15.10-15.40 **Claudio Pellecchia** (University of Salerno, Dep. of Chemistry, Salerno, I)
“Stereospecific polymerization by post-metallocene catalysts”
- 15.50-16.20 **Luigi Cavallo** (University of Salerno, Dep. of Chemistry, Salerno, I)
“Modeling of stereospecific polymerizations”
- 16.30-17.00 *Coffee break*
- 17.00-17.30 **Susannah Scott** (University of California, Dep. of Chemical Engineering, Santa Barbara, USA)
“Variations in the active site-support interaction in heterogeneous polymerization catalysts”
- 17.40-18.10 **Roberto Fusco** (ENI S.p.A. - Centro Ricerche Novara - Istituto Guido Donegani, Novara, I)
“Design of new catalytic systems: an industrial point of view”

October 6th

- 9.00-9.30 **Alceo Macchioni** (University of Perugia, Dep. of Chemistry, Perugia, I)
“Ion-pairing in transition-metal catalysts for olefin polymerizations: interionic structure (by NOE and diffusion NMR techniques) -activity-stereoselectivity relationship”
- 9.40-10.10 **Catherine Santini, Alessandra Quadrelli** (Lab. Chimie Organométallique de Surface ESCPE, Lyon, F)
“Developing polymerization catalysts by surface organometallic chemistry”
- 10.20-10.50 **Giuliano Giambastiani** (ICCOM-CNR, Firenze, I)
“Homogeneous catalysts for olefin oligomerization/polymerization: structure, activity and selectivity relationships”
- 11.00-11.30 *Coffee break*
- 11.30-12.00 **Jane Estephane** (University of Torino, Dep. of Chemistry IFM and NIS, Torino, I)
“Chromocene-based catalysts”
- 12.10-12.30 **Adriano Zecchina** (University of Torino, Dep. of Chemistry IFM and NIS, Torino, I)
“Olefin polymerization catalysts: where homogeneous and heterogeneous chemists can help each other”

Lunch time
afternoon

IDECAT Workshop (WP7.1 and WP6.5)