

ZERNIKE INSTITUTE COLLOQUIUM

Thursday, January 14th, 2010

16:00h, Lecture Hall: 5111.0080

Coffee and cakes from 15:30h

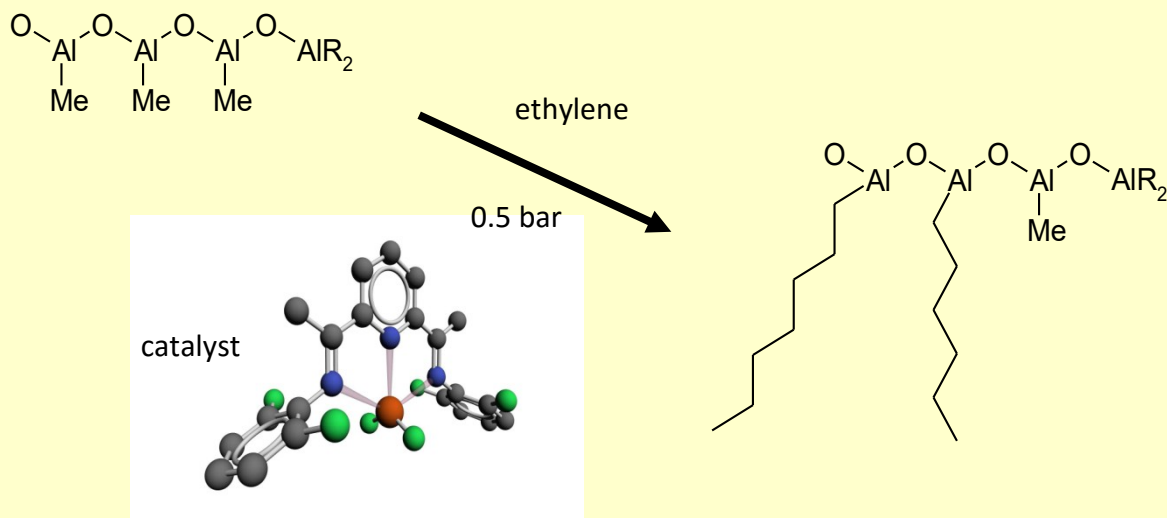
Catalytic polymerization of olefins and non-olefins

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The state of the art in catalysis is used to prepare polyalkyls, polyester and polycarbonates.

We transform olefins, aldehydes, epoxides and carbon dioxide into materials using the Aufbau reaction, metathesis, the Tishchenko reaction and the like.



Reaction mechanisms, pathways and material properties will be part of the presentation. A case study on the rheology of aliphatic polyester prepared by ring opening and condensation polymerisation addresses some fundamental questions of polymerisation to high molecular weights.

