



Vrije
Universiteit
Brussel



Solvay Colloquium

“Exploring the interface between heterogeneous and homogeneous catalysis”

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Abstract



Recent advances in structural characterization have prompted many students of catalysis to argue that the distinctions between heterogeneous and homogeneous catalysts are becoming increasingly blurred. The situation has further prompted certain investigators to enunciate the following statements, each of which will be adumbrated during the course of the talk:

- 1 - The scope for introducing multifunctional catalysis is greater with heterogeneous than with homogeneous catalysts.
- 2 - The nature of active sites in homogeneous and heterogeneous catalysts is very different.
- 3 - Certain chemical transformations can be effected efficiently only with heterogeneous catalysts.
- 4 - Many homogeneous catalysts may be immobilized at the surfaces of, or intercalated within, solids and often yield superior performance.
- 5 - Spatially isolated and readily accessible single-sites on nanoporous supports unite the advantages of heterogeneous and homogeneous catalysts.

Tuesday 15 December 2009 at 16h00

COFFEE AND TEA WILL BE SERVED AT 15H45 IN FRONT OF THE SOLVAY ROOM

« SALLE SOLVAY » - SOLVAY ROOM

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BOULEVARD DU TRIOMPHE - ACCESS 2

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1050 BRUSSELS

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