



Vrije
Universiteit
Brussel



Solvay Colloquium

“Superconductors: Old and New”

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Abstract



We will discuss the evolution in superconducting materials from simple metals like lead and mercury to the $A15$'s, lamellar copper oxides and most recently, the iron pnictides. Only the traditional superconductors appear to be well understood. Most, if not all, high temperature superconducting materials involve a competition between antiferromagnetic and superconducting ground states. We will discuss the similarities and differences in the properties of the copper oxides and the iron pnictides. These results illustrate how both the identification of fundamental issues in condensed matter physics and their advancement are often driven by serendipitous discoveries of new materials.

Tuesday 4 May 2010 at 16h00

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

« SALLE SOLVAY » - SOLVAY ROOM

UNIVERSITÉ LIBRE DE BRUXELLES - CAMPUS PLAINE

BOULEVARD DU TRIOMPHE - ACCESS 2

BUILDING NO - 5TH FLOOR

1050 BRUSSELS

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