



EURES CO
Conferences

A Programme of the European Science Foundation

Cluster-Surface Interactions

EuroConference on

Cluster Systems and Nanotubes

Supported by the European Commission, Research DG, Human Potential Programme, High-Level Scientific Conferences
(Contract No: HPCF-CT-2001-00036)

Giens (near Toulon), France, 8–13 May 2004

Chair: **Alain Perez (F, Université de Lyon I, F)**

Speakers will provisionally include

J.-P. Ansermet (Lausanne, CH)
R. Berndt (Kiel, D)
X. Blase (Lyon, F)
J.-P. Bucher (Strasbourg, F)
C. Colliex (Paris, F)
J. Feldmann (München, D)
A. Fert (Corbeville, F)
A. Gerber (Tel Aviv, IL)

A. Li Bassi (Milano, I)
L.M. Liz Marzan (Vigo, E)
B. Masenelli (Lyon, F)
K.H. Meiwess-Broer (Rostock, D)
P. Milani (Milano, I)
R. Palmer (Birmingham, UK)
G. Pastor (Toulouse, F)
S. Purcell (Lyon, F)

J.Y. Raty (Liéges, B)
J. Sloan (Oxford, UK)
K. Teo (Cambridge, UK)
F. Vallée (Bordeaux, F)
T. Vossmeier (Stuttgart, D)
W. Wernsdorfer (Grenoble, F)
M. Wolf (Berlin, D)

Scope of the conference

The rapid developments in the field of clusters, nanoparticles, nanotubes and nanowires physics clearly indicate the vital role which will be played by these systems in future. This conference, instead, is thought to concentrate more on clusters and nanostructures which are governed by quantum effects. This means that the physical and chemical properties might change dramatically with the size or even the geometrical structure of the system. Whereas it is necessary to further investigate the new physics of the nano-objects, the meeting will lay particular effort on the *functionality* of the clusters, nanotubes and nanowires in appropriate environments.

In this general context, the following main topics will be covered: • Cluster based structures: magnetism, electronic and optical properties • Functionalized cluster matter • Nanotubes, nanowires • Nanostructured devices. Emphasis will be put on experimental and theoretical aspects.

The conference is open to researchers world-wide, whether from industry or academia. Participation will be limited to about 100. The emphasis will be on discussion about new developments. The conference fee covers registration as well as full board and lodging. Grants will be available, in particular for nationals under 35 from EU or Associated States.

Deadline for applications: 17 February 2004

Scientific Programme and on-line Application at: <http://www.esf.org/euresco/04/pc04120>

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