

# From Materials by Chance to Materials by Design

by

## Professor Yves Bréchet

*High Commissioner for Atomic Energy and Alternative Energies, France*  
*Professor, Institut National Polytechnique de Grenoble*  
*Silver Medal, National Center for Scientific Research, France*  
*Member of the French Academy of Sciences*

FRANCE – HONG KONG  
DISTINGUISHED  
LECTURE SERIES

*A series of high-profile lectures  
under the auspices of  
the French Academy of Sciences*



### Abstract:

This public lecture covers key developments in materials science, both from the applied and fundamental points of view. It focuses on recent developments tending to supersede traditional distinctions between structural and functional materials, in that they bring notions of materials function and structure closer together. Architected materials, associating various materials in a controlled geometry, are emblematic of this evolution. They are also a paradigm for the interplay between experiment and modelling to develop a “materials by design approach”, which overcomes the limitations of the “bottom-up” strategy.

Date: 29 May 2014 (Thursday)

Time: 4:30 pm

Venue: Connie Fan Multi-media  
Conference Room  
4/F, Cheng Yick-chi Building  
City University of Hong Kong

Enquiries: Miss Mandy Chan  
Tel: 3442 4666  
Fax: 3442 0386  
Email: [vprrtdl@cityu.edu.hk](mailto:vprrtdl@cityu.edu.hk)

*All are Welcome*