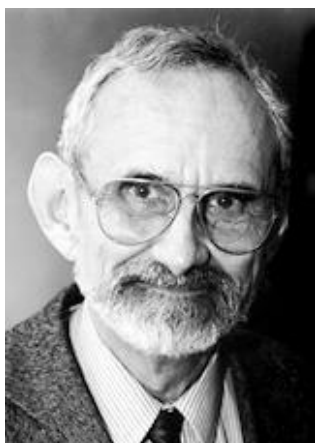


CBC SEMINAR ANNOUNCEMENT



**Professor Robert F Curl
Emeritus Professor, Rice University
Nobel Laureate, 1996**

Structures and formation of elemental carbon species

In the twenty-six years since the discovery that molecular forms of elemental carbon, the fullerenes, could be produced, a number of investigators have carried out intense searches for other forms of elemental carbon. These searches have produced a myriad of new carbon morphologies where each kind of structure requires some particular kinds of formation conditions.

The structures are known, the formation conditions are known, but in most cases a microscopic understanding of how a particular set of conditions results in a certain structure is lacking. Because they are discrete molecules, the most progress in understanding their formation chemistry has been made for the cage containing systems though we are very far from a complete understanding. This talk will review many of these new structures and discuss possible formation mechanisms of some of them.

Hosting Group: NTU-Rice Institute for Sustainable and Applied Infodynamics

Date:	24th April 2012 (Tuesday)
Time:	3pm – 5:30pm
Venue:	NTU SPMS LT 4
Host:	Asst Professor Martin Pumera