

# **Carbon Electronics: The Materials Platform for All Disciplines**

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I will hope to cover key aspects of the materials properties of nano-carbons and how these lend itself to different formats and hybridizations. Based on judicious use and tailoring of the different organic and inorganic forms of nano-carbons, materials platforms can be synthesized. These hybrid platforms can then be developed for many uses including electronics, sensors, energy, bio-medicine and materials technologies. We will explore some of these areas and how the fundamental understanding of the C, C60, CNT, graphene and polymers allow for this.

More details on the topics to be covered can be found in journal papers at:

[https://scholar.google.co.uk/citations?hl=en&user=EmiQCOMAAAAJ&view\\_op=list\\_works&sortby=pubdate](https://scholar.google.co.uk/citations?hl=en&user=EmiQCOMAAAAJ&view_op=list_works&sortby=pubdate)

**Date: 20 December at 12 noon**

**Venue: Silver Jubilee Hall**

*Tea/ Coffee will be served before the talk*

*This colloquium lecture is organized by the TRC, SNBNCBS*