



BEN-GURION UNIVERSITY OF THE NEGEV

**The Jacques Loeb Centre
for the History and Philosophy
of the Life Sciences**

A Joint Seminar with

**Ilse Katz Institute for Nanoscale Science and
Technology**

**FULLERENE-LIKE STRUCTURES AS A BRIDGE BETWEEN
INORGANIC NATURE AND LIVING ORGANISMS**

Eugene A. Katz

This talk reviews structural organization of an entire class of closed-cage polyhedral carbon molecules - the fullerenes. I will discuss, in a context of history of science, how Nature uses fullerene-like structures to minimize energy and matter resources in molecules and nanoclusters, viruses and living organisms. Examples of achievement of such goals in architecture will be also presented.

Monday, March 26th, 2012

**Building 51 (Ilse Katz Institute), Room 015,
16:15 to 17:45.**

Coffee & Refreshments will be available at 16:00

For further information or updates, please write to iloebcentre@bgu.ac.il
or visit <http://web.bgu.ac.il/Eng/Centers/loeb/Seminar.htm>

About the Seminars:

The Jacques Loeb Centre seminars provide an interdisciplinary forum, in which historians and philosophers of science, as well as scientists, present and discuss new research related to science with a special focus on the life sciences. Case studies and surveys examine the impact of political, socio-economic and personal factors on the conduct of science, the ethics of research, and the causes of progress and setbacks. **Faculty and students from all disciplines are invited!**