DIST - University of Genova
Viale Francesco Causa, 13
16145 Genova - Italy

University of Genoa
Italian Institute of Technology

Science and Technology of π-electron systems

Natural chromophores, as carotenoids or chlorophylls, organic semiconductors, as molecules and polymers, or carbon nanostructures, such as fullerenes and nanotubes, all have in common delocalized π-electrons. These are responsible for the optical and electrical properties, which defines their functions in leaving systems or devices.
The main features of the electronic structure and the consequent photophysics of π-electron in low dimensional systems will be introduced, to discussed later on potential and market applications.

Giulio Sandini – sandini@unige.it
Ph: +39 010 353.2779 (2994) - Fax: +39 010 353.2948