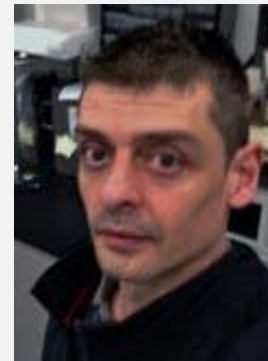


Moments in Materials Presentation: ***Single Molecule Electronics***

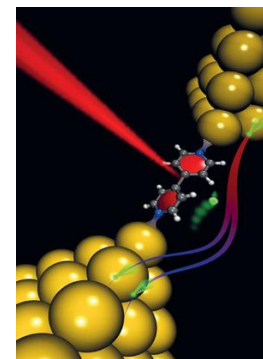
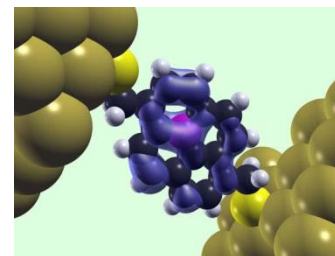


Speaker: Carlos Arroyo

When: Thursday, July 11th 2013, 4:30 p.m.

Where: NWC, 7th floor meeting room, RM 703

Molecular electronics has been explored for more than 40 years, but it is only recently that scientists have begun to understand the properties, complex behavior and opportunities offered by individual molecules. This talk will provide an overview of the development of single-molecule electronics, in particular the recent advances and the different directions and approaches that are going on in the field.



Selected references

Aviram, A. and Ratner, M., *Chem. Phys. Lett.* 29, 277-283, (1974)

Xu, B. and Tao, N., *Science*, 301, 1221-1223 (2003)

Venkataraman, L. et al, *Nature*, 442, 904-907 (2006)