

NANOCAGE 'kick-off' meeting, Nottingham, July 12th 2004

Consortium members attending:

Philip Moriarty (PJM), Bert Voiglaender (BV), Jim Greer (JCG), and John Dennis (TJSD)

1.1 The following initial projects were discussed:

- Inelastic tunnelling spectroscopy of C₆₀ on Cu(111) [Juelich].
ACTION: PJM to supply Juelich with C₆₀.
- AFM, STM and photoemission studies of C₆₀, Ce@C₈₂ and N@C₆₀ peapods [NOTTM]
ACTION: TJSD to supply NOTTM with peapods.
- DFT studies of C₈₂ and Ce@C₈₂ [NMRC]: density of states.
ACTION: PJM and TJSD to suggest plausible isomers for calculations.
- DFT studies of C₆₀ on Cu(111) [NMRC]: vibrational modes?
- (Ultimately, we will need to model transport through individual (endo)fullerenes for comparison with experimental STM data.)
- Beamtime has been awarded at the Daresbury source for photoemission measurements on Si:Ge nanowire/nanoring samples [JUELICH/NOTTM].
ACTION: BV to supply PJM with Bi-capped samples by November.

1.2 Both Nottingham and Juelich have identified PhD students to take up 3 year positions. [However, the Nottingham studentship is subject to the candidate gaining an English language qualification. The outcome of the exam should be known by August 20th].

1.3 There was some discussion of eligibility of candidates. PJM mistakenly suggested that 3rd country (i.e. non-EU) candidates were not eligible for EST funding. This is incorrect. Students from 3rd countries may be funded but to a maximum level of 30% of the total grant. See the Marie Curie EST handbook available on the NANOCAGE website for a detailed discussion of eligibility criteria.

1.4 Ads for 3 year- and visiting studentships will be placed on the CORDIS website, jobs.ac.uk, TIPTOP, and the German Physical Society website. [**ACTION:** PJM].

1.5 A network website will be set up to advertise positions, to describe research results, and to act as a repository of meeting minutes, presentations, etc.. [**ACTION:** PJM]

1.6 All members of consortium to provide copies of their presentations for the kick-off meeting so that these can be posted on the website.