

## **IRDC Meeting -4**

### **Review of the Nanotechnology Initiative**

Professors Y. N. Mohapatra and Sudeep Bhattacharya presented major activities under the nanotechnology initiative. It was stated that the current focus is more towards developing a multi-element focused ion beam facility, use of FIB in futuristic manufacturing, and organic electronics.

The following points emerged during the discussion:

- 1) A formal approval is required to create a name such as *Centre for nanotechnology*.
- 2) Railways have shown interest in absorbing technologies at the nano-scale. In this connection, DG - RDSO Lucknow should be invited to visit the nanotechnology research facilities at the Institute.
- 3) Technical peer groups need to be formed. Members would comprise international experts from USA, Europe and Asia. A periodic review of activities of the group in nanotechnology is essential since the subject, internationally, is fast evolving.
- 4) Quite a few of our colleagues are involved in nano-scale research. IRDC will prepare a comprehensive list of faculty and staff who may wish to participate in the ongoing initiative.
- 5) Ideally, the nanotechnology activities should include a broader spectrum of research, for example, nano-materials, nanocomposites, and nano-fiber based scaffolds for biomedical engineering applications.