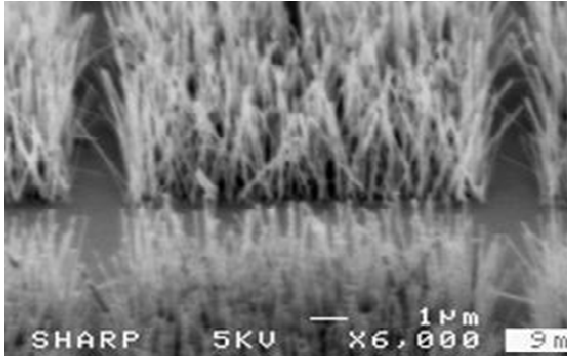
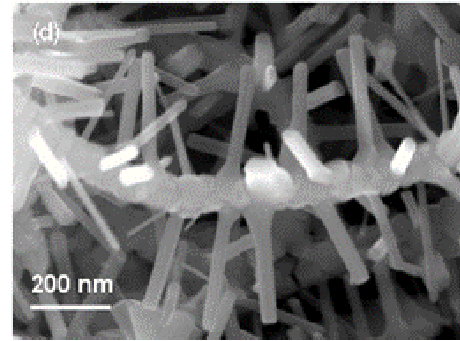


Coming Spring 2008 (TR 10-11:20am):

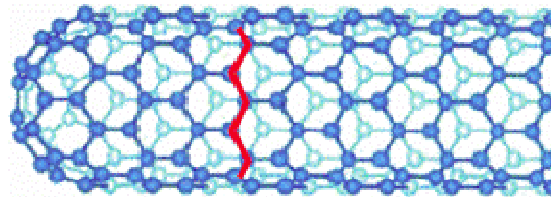
## ECE499/599 Nanotechnology

*A new special topics course on the synthesis, properties, and applications of novel nanomaterials.*



**Find out:**

- *How are nanostructures made?*
- *What makes them special?*
- *What are they good for?*



**Synthesis methods:**

- *Nucleation and growth*
- *0D, 1D, and 2D nanostructures*
- *Catalysis, vapor-liquid-solid, vapor-solid growth*
- *Self assembly vs. templating*

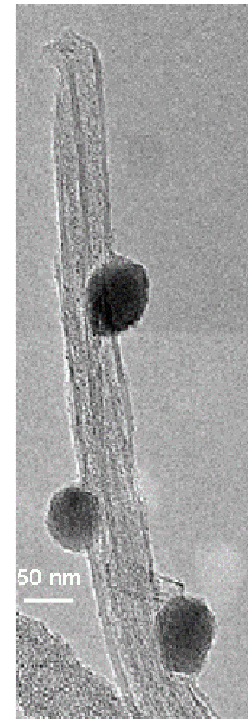
**Novel nanomaterials:**

- *Carbon nanotubes (CNTs), fullerenes, graphene*
- *Nanowires & nanodots*

**Integration & device applications:**

- *Bottom up vs. top down vs. directed assembly*
- *Sensors, luminescence, improved performance*
- *Characterization techniques, and much more!*

*Gain an physical understanding of why nano is exciting, appreciate potential applications, and possibly even grow some nanowires.*



For more details contact:

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