ENGR-ECE4243/6243 **TERM PAPER HW#7 Nanowire Fabrication Term Paper** F. Jain

**(due date to be announced) You can work in groups (2-4)**

Please pick a topic out of 5 topics listed of grow nanowires using.

(i) VLS and SLS nanowire growth technique using gold nanodots,

(ii) Electro-spinning method,

(iii) Nanometer hexagonal templates of anodized Al2O3 thin layer having honeycomb structure.

(iv) Carbon nanotube nucleated on Fe via chemical vapor deposition (CVD) using methane.

(v) Optical lithography using 193nm or 13.5nm (Extreme Ultra-violet, EUV) sources in conjunction with reactive ion etching (RIE).

**References:** L5 PowerPoint distributed in class, Cao Chapter 4.

The groups are:

**G1** Names;

**G2** Names;

**G3** Names;

**G4** Names.