



**The Materials
Information Society**

Carolinas Central Chapter

March Meeting

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Carbon Nanotubes and Their Applications

Carbon nanotubes have many unique electronic and physical properties and are an order of magnitude stronger than any existing engineering materials. I'll present the synthesis of long carbon nanotubes (CNTs), long CNTs with intramolecular junctions, long CNT arrays, the super strong CNT fibers, and CNT cottons. These CNTs were synthesized using catalytic chemical-vapour-deposition. Their growth mechanisms will be discussed. We have produced the longest individual CNTs, and the strongest CNT fibers with specific strength many times higher than current engineering fibers. Potential applications of these CNTs and CNT fibers include electronic devices, chemical and bio sensors, solar cells, filters, nano-composites, body armor, space shuttles, airplanes, etc.

Officers Meeting.....5:45 pm
Dinner6:30 pm
Program.....7:15 pm

I will attend

If you plan to attend, please RSVP by no later than Mar 24 by clicking the link above to send an email to the officers or contacting one of the officers listed.

Next Meeting: APR

Sustaining Members



Accident Reconstruction

