

EE 298-12
Solid State Technology and Devices Seminar

Friday, 13 September 2013
1-2pm
Hogan Room - 521 Cory Hall

Will there be a carbon age to follow the silicon age?

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ABSTRACT:

One of the major discoveries of the nanoscience revolution is that carbon can be formed in highly stable and controllable nanoscale structures known as carbon nanotubes and graphene. These materials have been found to exhibit electronic properties that make them very attractive for use as transistor channels, particularly as the limits of CMOS scaling are approached. This talk will discuss the challenges and promise of carbon transistors and review some of the latest progress on carbon nanotube and graphene nanoribbon transistors for digital logic applications.