



Physicists are in the grips of graphene madness... They are packing conference rooms at meetings to hear about atom-thick sheets of honeycombed carbon called “graphene” that may one day replace silicon as the basic unit of ultrafast electronics. Graphene also shows promise for broadband satellite communication. And... Who knows? Only the future will tell.

Why does the electric charge zoom through this material at incredible speeds? Why do excitations in these systems behave as massless charged particles as opposed to free massive electrons?

Come to hear about some properties of this new fascinating material from one of the most distinguished Class -of -1998 Goucher Alumni

Prof. Oskar Vafek

Department of Physics

**Florida State University and National High Magnetic Field
Laboratory**

Thursday, April 16

4:30 pm*

Kelly Lecture Hall

Supported by the Taylor Lecture Fund, the Department of Physics and Astronomy and the Physics and Astronomy Club/Society of Physics Students Chapter at Goucher College

****Refreshments will be served at 4:15pm.***

