**RESEARCH NUGGET**

Material Advantage at FIU

11th September 2009

**SAY CHEESE! TO TURN GRAPHITE OXIDE TO GRAPHENE**

Graphene is considered as today’s one of the most technologically important material.

Graphene synthesis processes include Exfoliation & Cleavage, CVD and PECVD, Thermal Decomposition, Chemical Reduction etc., involving usage of toxic chemicals, high temperature, precision techniques.

A recent process by Prof. J. Huang and his group in Northwestern University, USA has shown synthesis of fluffy graphene films from graphite oxide, by CLICK of a simple camera flash.

The discovery is expected to revolutionize graphene production and its application in tomorrow’s electronics.

A video clipping of the process is available on [http://www.youtube.com/watch?v=dKT2vzfUuEs&feature=player_embedded](http://www.youtube.com/watch?v=dKT2vzfUuEs&feature=player_embedded)

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**Sources:**


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