INSPIRINGSCIENCE

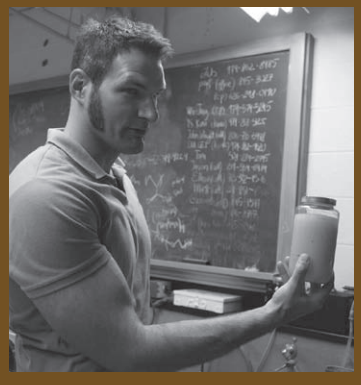
Nanobrick walls that stop fire and nanocomposites that could use your body heat to power your mobile phone

Professor Jaime Grunlan

Department of Mechanical Engineering, Texas A&M University

16 May 2012, 5.30pm

Harrison Building, Room 004



In this talk, Professor Grunlan will explore building multifunctional thin films (< 1µm), using layer-by-layer assembly, and the ability of these 'nano brick wall' assemblies to impart flame resistance to foam and fabric by uniformly coating them three-dimensionally.

He will also discuss segregated network (latex-based) composites containing carbon nanotubes that are used to produce electricity from a thermal gradient.

Professor Grunlan joined Texas A&M University as an Assistant Professor of Mechanical Engineering in July 2004. He has won many awards for his research and has been featured numerous times in Chemical & Engineering News, Nature, ScienceNews and various other scientific news outlets.

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