

Commercializing Practical Applications of Nanotechnology

December 1, 2005

Refreshments
4:30-5:00 p.m.

Lecture
5:00–6:00

A-110 Conte

This lecture is sponsored by the MassNanoTech Institute and the UMass Amherst IGERT Program in Nanotechnology Innovation.



Dr. Alan Rae

Vice President, Market and Business Development
NanoDynamics, Inc.
Buffalo, NY



This presentation will review the opportunities and pitfalls in commercializing nanotechnology and will illustrate with real examples of products in various stages of commercialization such as carbon nanotubes, nano metal powders...and even golf balls.

Dr. Rae has many years of experience in technology commercialization and international business. While with Cookson Group plc he was instrumental in ensuring the success of startup and developed businesses including structural ceramics, flame retardants, refractories, electronic ceramics and wafer plating systems. From 1999 to 2004 he was VP of Technology for Cookson Electronics, deeply involved in developing business opportunities for materials systems and equipment in silicon wafer fabrication, packaging, circuit board manufacture, circuit board assembly and recycling. He is Director of Research for iNEMI Inc. (the International Electronics Manufacturing Initiative), Chair of the JISSO North America Committee (facilitating electronics business worldwide by harmonizing technology roadmaps and standards), and a member of the Industrial Advisory Board of SMTA (the Surface Mount Technology Association). Dr. Rae holds a Bachelor's Degree from the University of Aberdeen and a Ph.D. and M.B.A. from the University of Newcastle upon Tyne.