



Maxwell Institute for Mathematical Sciences



The University of Edinburgh's School of Mathematics presents:

From Maxwell to Nanotechnology

a public lecture by

Akhlesh Lakhtakia

*Charles G. Binder (Endowed) Professor of Engineering Science and Mechanics
Pennsylvania State University*

chaired by **Sir Michael Atiyah**

Swann Building Lecture Theatre 102, King's Buildings, EH9 3JR

5.30pm Thursday 17th April 2008

Reception in foyer 5.00-5.30pm

James Clerk Maxwell was the first great unifier in physics: electricity and magnetism were unified with optics through his eponymous equations. Though his equations hold at the bulk scale, he also had a vision of the microscopic scale. Just two decades after him, electromagnetism was provided first with a microscopic basis and then a quantum-mechanical interpretation. A hundred years later, electromagnetic phenomena at the nanometre scale constitute a vigorous area of research, increasingly so as multifunctional materials with nanoscale architecture emerge. The future of electromagnetics at the nanoscale appears to be exceedingly bright.

This event is open to all; no ticket required. For further details, contact Tom Mackay, School of Mathematics, 0131 650 5058 (T.Mackay@ed.ac.uk).



Centre for Materials Science and Engineering
School of Engineering and Electronics