



## The Electromagnetics Centre Seminar

School of Electrical & Electronic Engineering,  
The University of Manchester,  
PO Box 88, Sackville Street, Manchester, M60 1QD

In Co-operation with IEEE UKRI (MTT/ED/AP/LEO)  
Societies Joint Chapter  
& IEEE University of Manchester Student Branch

### 'Transmission Coefficients for Overmoded Coaxial Waveguide SDMA Antennas'

By: John Davis  
The E.M. Centre, The University of Manchester

- **Date: Tuesday 9 Nov 2005**
- **Venue: room C53 Sackville Street Building**
- **Time: 2.00 pm**
- **All welcome to attend**

#### **Abstract:**

A theoretical formulation for the transfer function of an overmoded coaxial probe fed coaxial waveguide has been derived using the geometrical variables, the modal field solutions and the transmit probe excitation current distribution as inputs.