

Dielectric Material Characterisation

Dr Yi HUANG

Department of Electrical Engineering & Electronics
The University of Liverpool



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Major Activities

- Dielectric property measurements
 - *New free space time-domain technique*
 - *Coaxial cell and open-ended coax technique*
- Design of dielectric measurement systems and data interpretation
- Effects of various materials on radio waves
 - *Distortion*
 - *Attenuation*
 - *Delay spread*



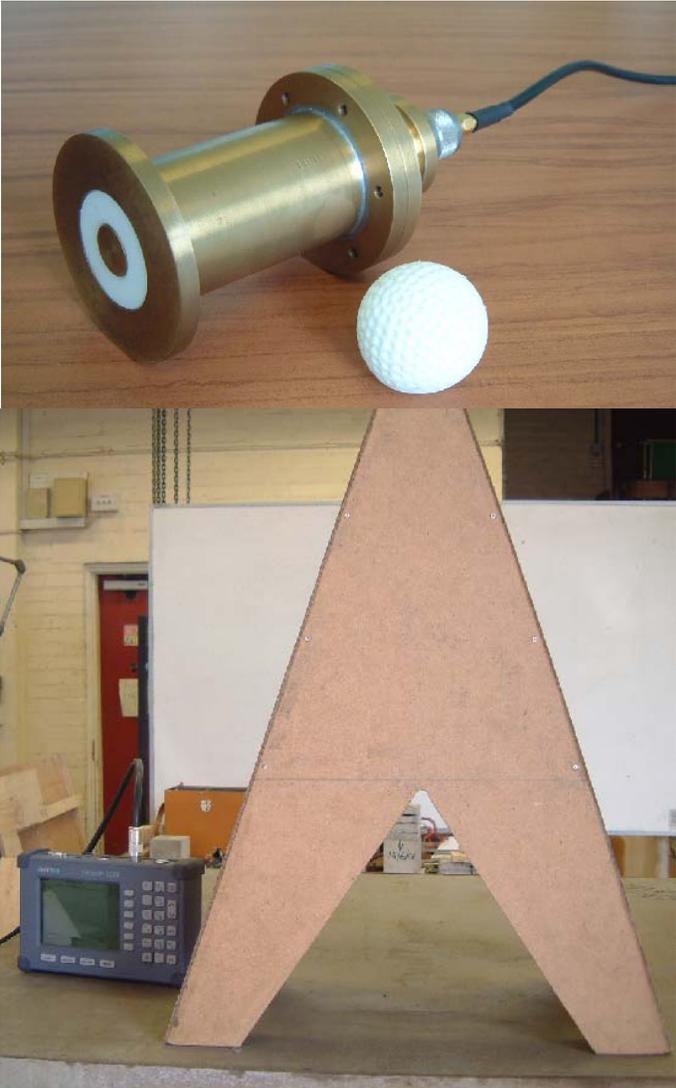
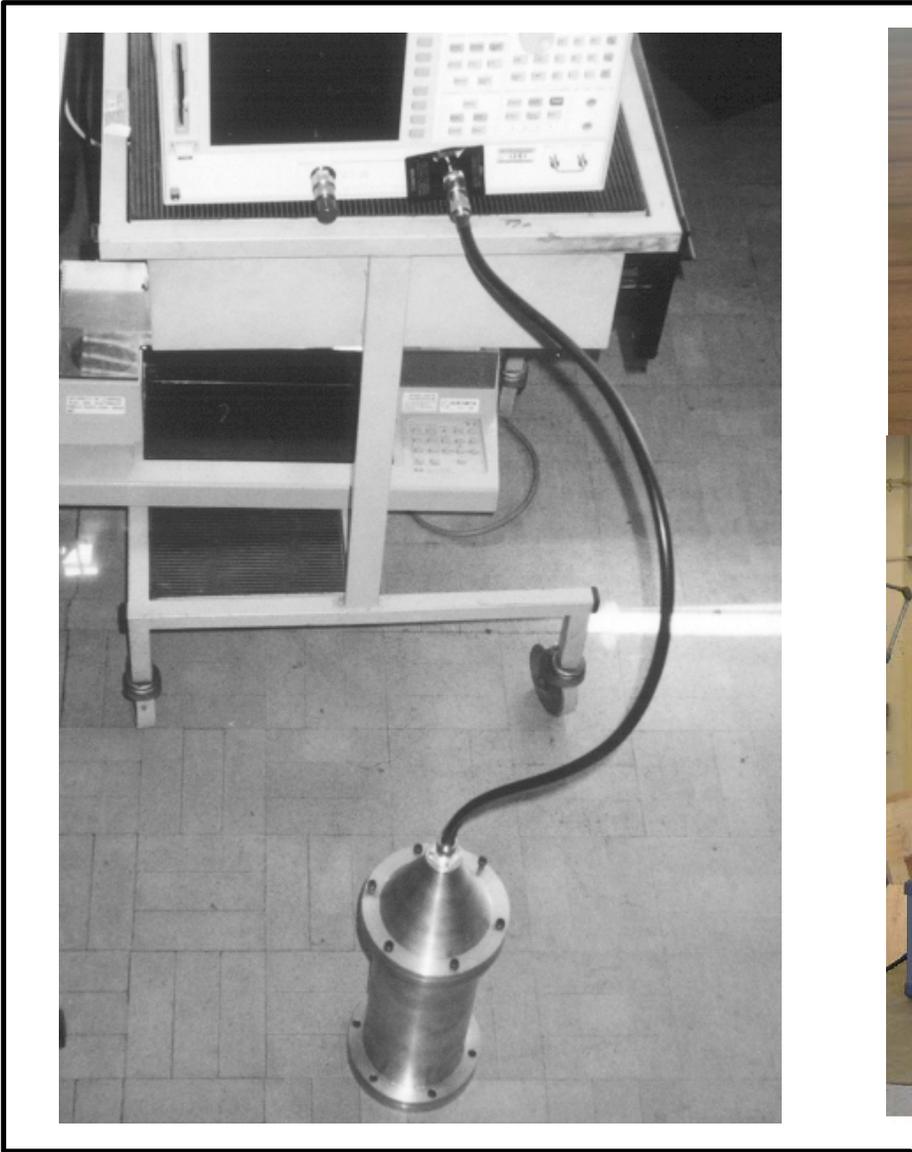
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Facilities

- Special home-made facilities to measure the dielectric constant and conductivity of all types of material from 100 MHz to about 2 GHz.
- Measuring the in-situ dielectric constant, conductivity and thickness of a layered material
- We are developing a wide range of facilities to measure various dielectric materials from DC to 20 GHz.



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