

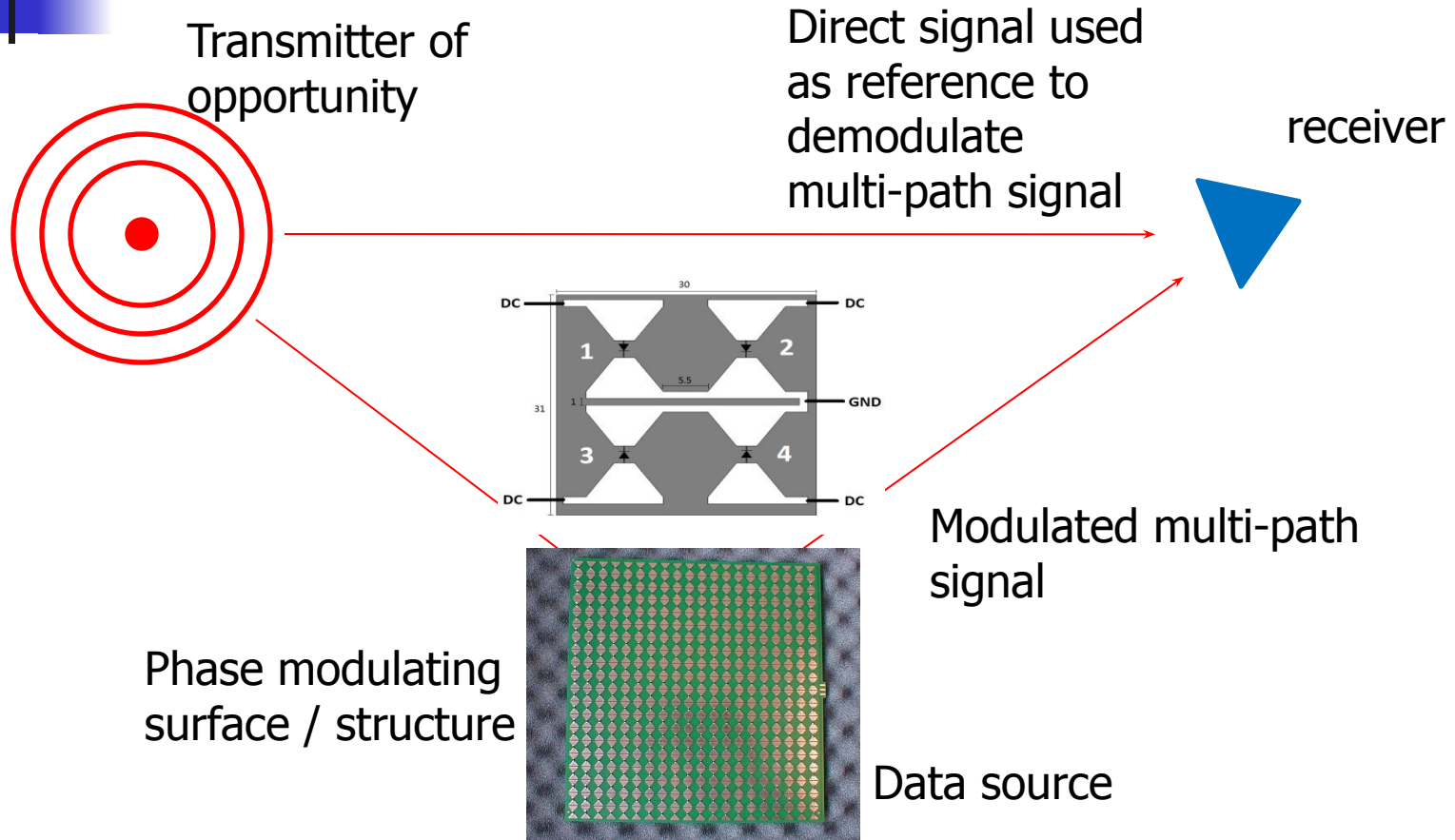


Alan Tennant

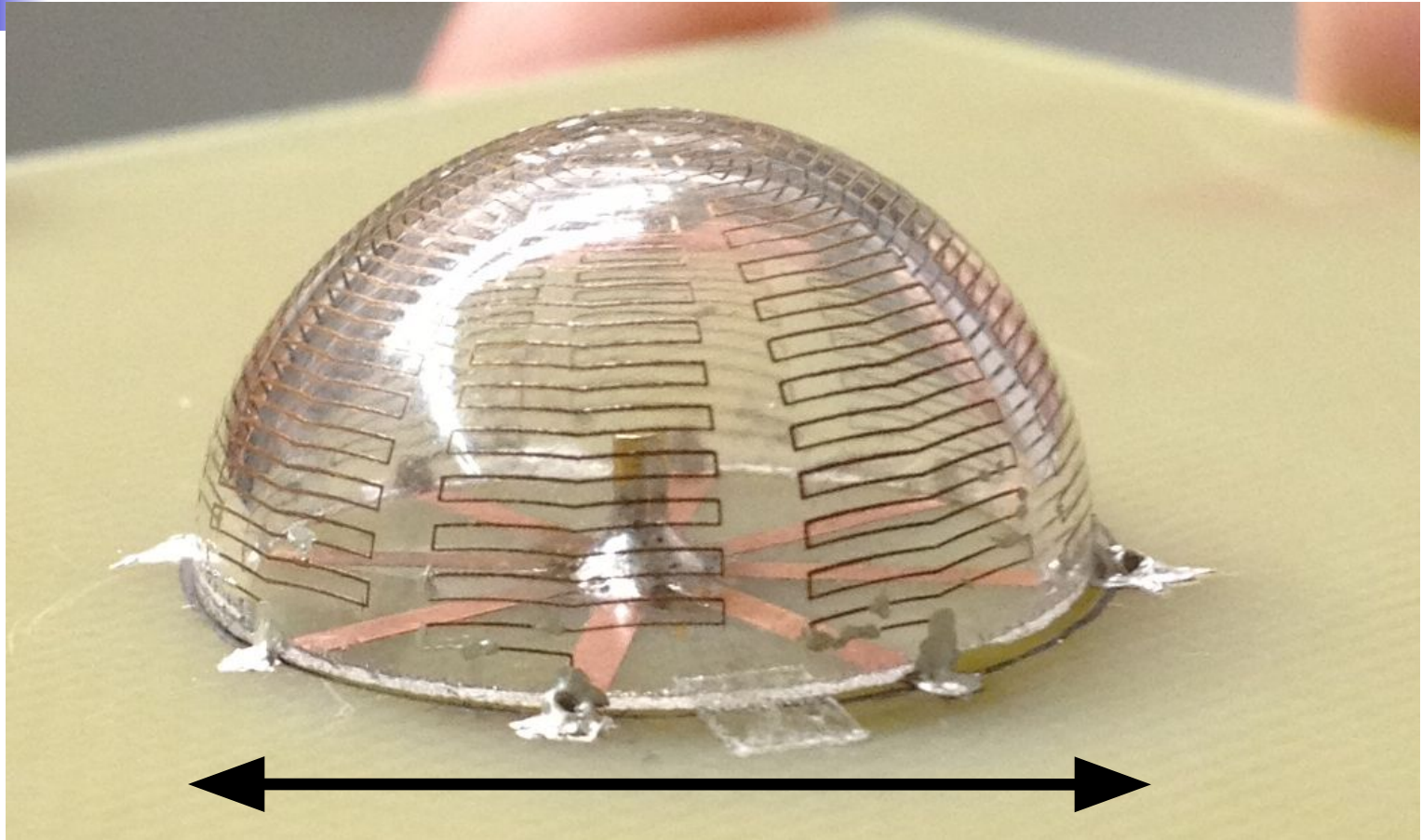
Department of Electronic and Electrical Engineering

- Radar signature management – passive and active stealth materials
- Time modulated and phased array antennas
- Modulated scatterers for covert communications including RFID tags
- 3-D electromagnetic structures
- Textile based systems
- Acoustic array systems

Phase modulating structures for secure communications



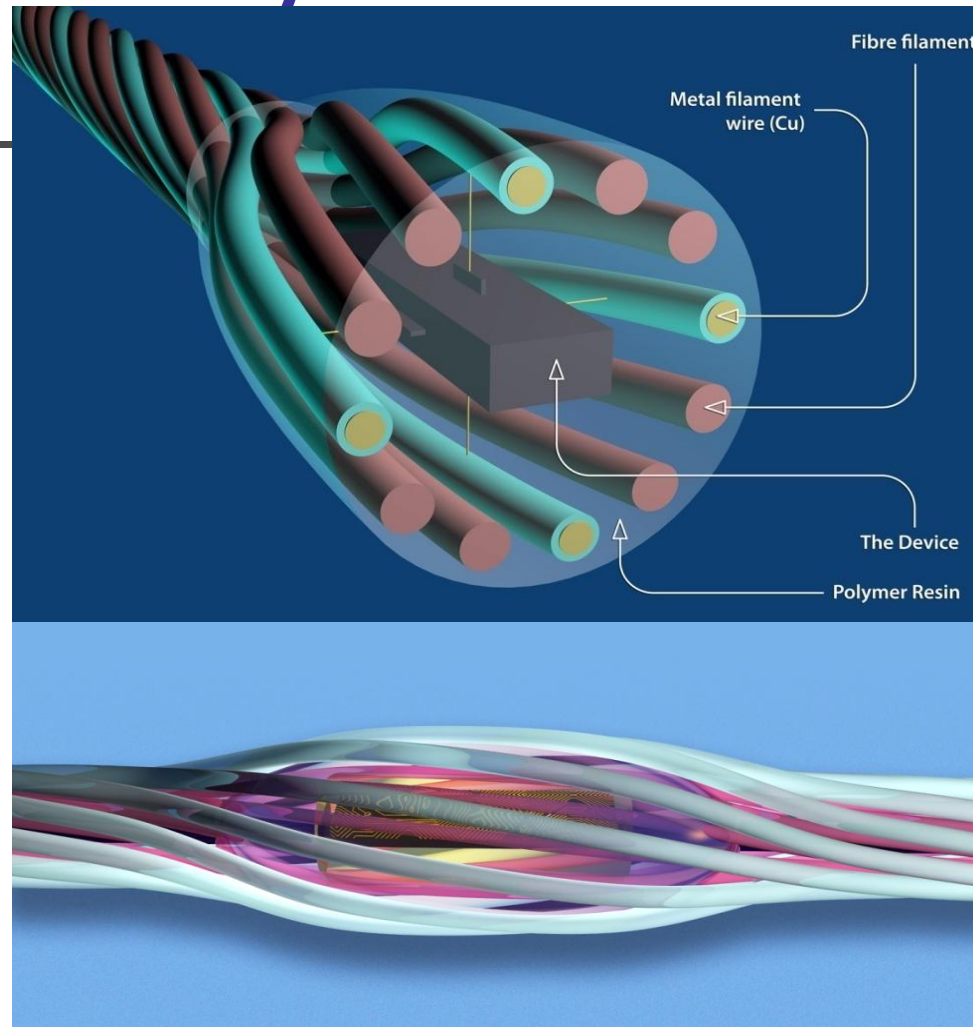
3-D Antennas



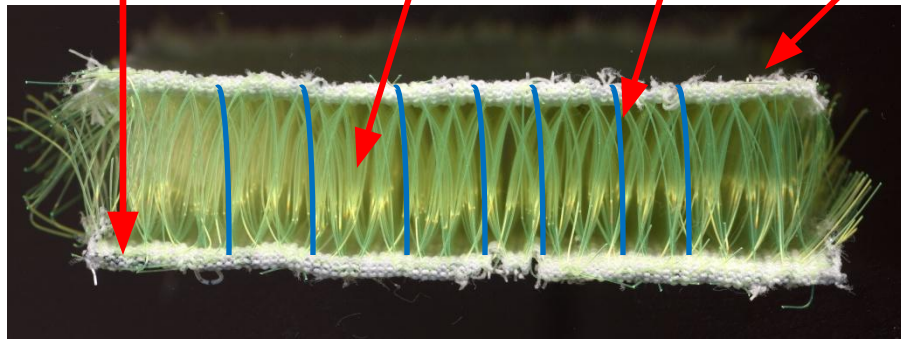
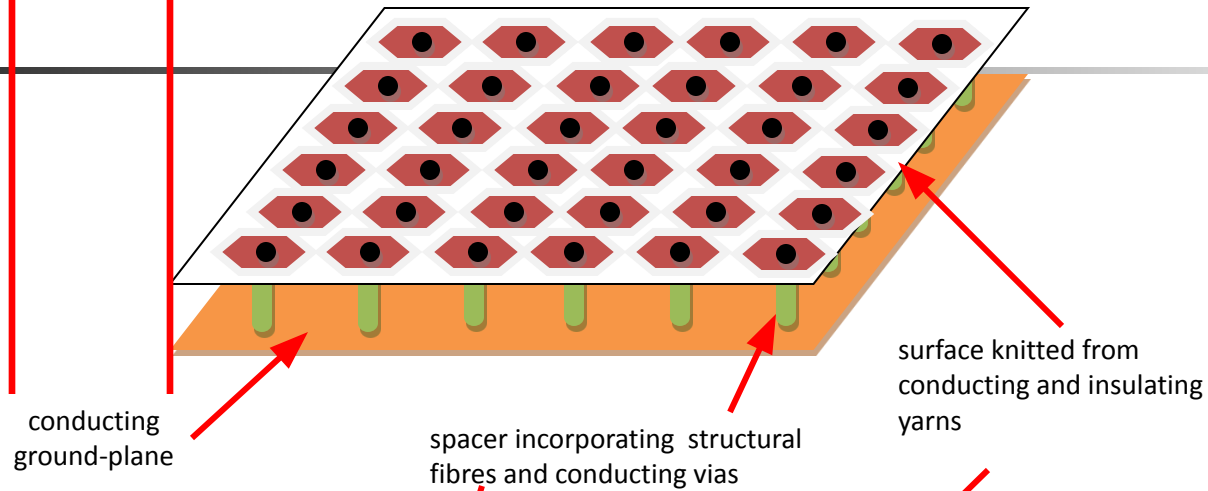
15mm

Conducting textiles

Embedding a semiconductor device into a multi-filament yarn



Conducting textiles structural textiles



Conducting textiles

structural textiles

