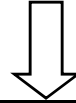


# Centre for Communication Systems Research

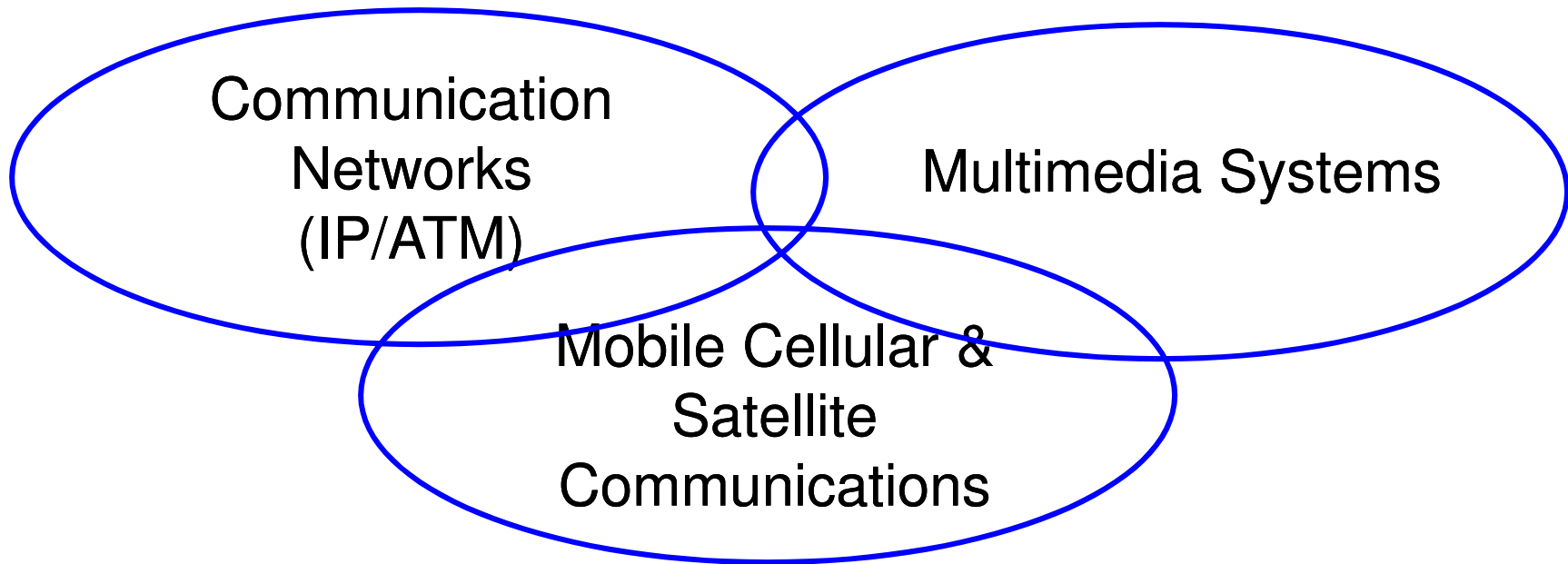
**Director: Professor Barry Evans**

# University of Surrey



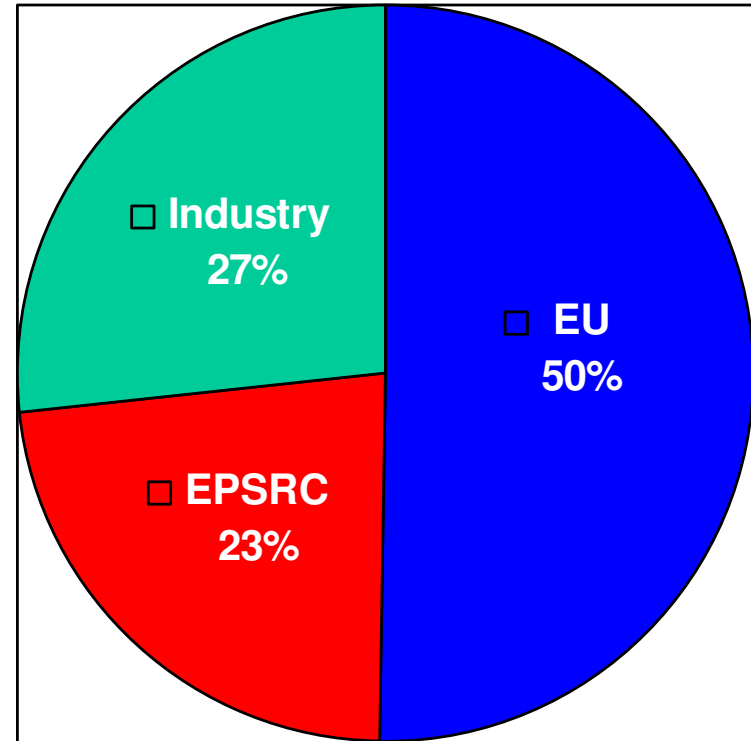
<b>School of Electronics &amp; Physical Sciences</b>	
Teaching	Research Centres
Electronic Engineering	<i>Communication Systems Research</i>
	<i>Surrey Space Centre</i>
Mathematics	<i>Vision, Speech &amp; Signal Processing</i>
	<i>Advanced Technology Institute (solid state / photonics)</i>
Computing	<i>Knowledge management / e-science</i>
	<i>Applied Maths &amp; Statistics</i>
Physics	<i>Nuclear/Radiation Research</i>
	<i>UniS Materials</i>

# Centre for Communication Systems Research

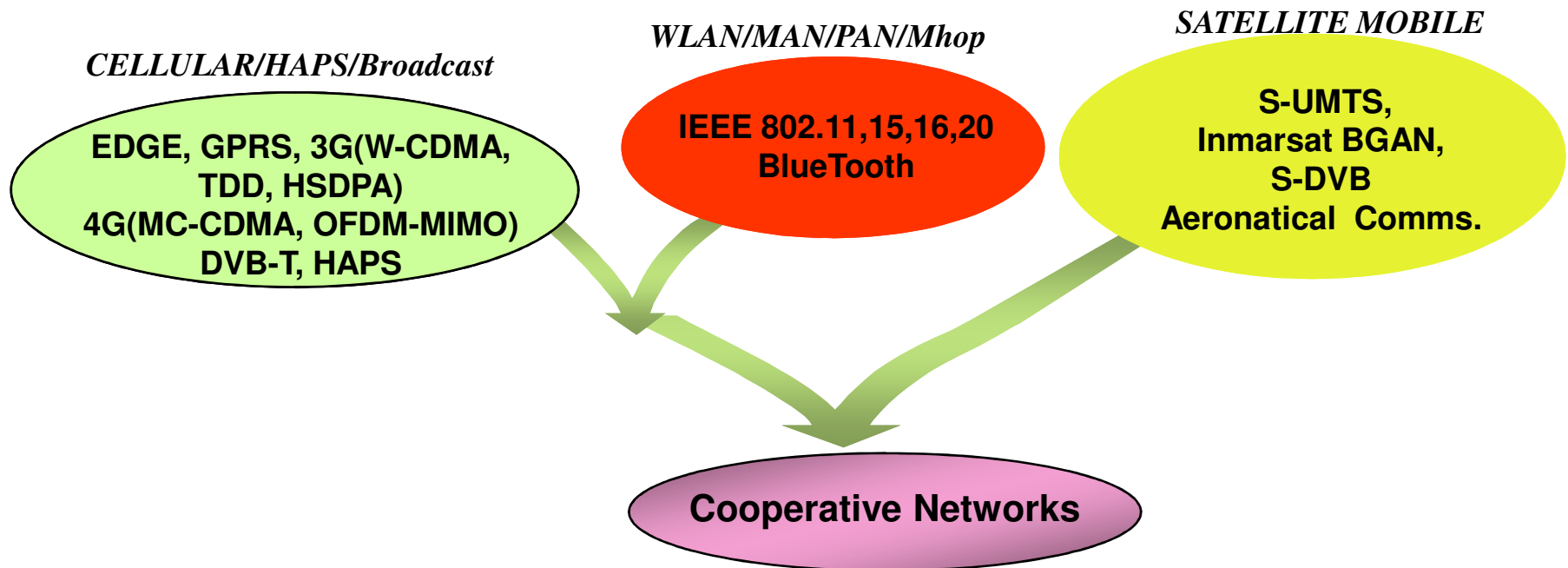


## CCSR Statistics

- 130 Researchers
- £5m Research funding
- Major participation in EU Framework projects
- Major UK VCE Participant
- Wide industrial collaboration



- Cooperative networks with Ambient Awareness & Security
- New system Architectures
  - High Altitude Platforms
  - Multi-hop
- AdHoc QoS Routing
- Service Discovery
- Software Radio and Configuration Management Architectures
- New Receiver Architectures
- Multimedia Traffic Modelling
- Capacity/Coverage Optimisation
- Self-Planning Networks
- Cross-layer optimisation
- Bandsharing & DSA
- Multimode Antennas & Smart Antennas
- Propagation Measurements and Analysis
- HW/SW System Emulator & Simulator



- SATIN
- MoDiS
- MAESTRO
- BGAN Extension
- SatNEx
- MOWGLY