

Grouping of Research Activity among SCONE participants (by Institution)

Draft v0.1

Need to have more complete info!



Edinburgh

- Mahesh Marina (Informatics)
 - Mesh, vehicular, RFID sensor nets and DTNs
 - Spectrum/power/network management, cross-layer adaptation
 - Testbeds and measurement frameworks
- D K Arvind (Informatics)
 - Sensor networks - MAC, localization, etc.
- Steve McLaughlin (IDCOM)
 - Sensor networks - routing, etc.
 - Cross-layer optimization, relay & cooperative communication
- Dave Laurenson, John Thompson et al. (IDCOM)
 - MANETs and mesh networks - routing, MAC, etc.
 - Channel characterization, MIMO, ...



St Andrews

- Saleem Bhatti
 - Network architecture (esp. addressing & routing)
 - Mobile systems
 - Network systems performance and QoS
- Tristan Henderson
 - Social networking, DTNs, privacy, wireless network measurement and monitoring
- Others?



Glasgow

- Joe Sventek
 - Network management, security, sensor nets, OS/runtime system support for heterogeneous multi-core processors
- Colin Perkins
 - Multimedia networking, Internet topology, (future) network architecture, support for group communication
- Others?
 - MANETs, VANETs, mobility models



Strathclyde

- Robert Atkinson
 - Internetworking heterogeneous wireless access networks (Mobile IP, etc.)
 - Wireless MAC protocols
 - Channel characterization



Aberdeen

- Gorry Fairhurst
 - Internet transport protocols
 - Satellite communication networks
 - DVB



Napier

- William Buchanan
- Security



Industry

- Agilent Labs (Frankie Garcia, Colin Arthur)
 - WiMAX, mobility support, measurement
- InMon (Stuart Johnston, Sonia Panchen)
 - Statistical Sampling for Network Traffic Monitoring
- Cisco (Scott Leishman)
 - ???



Grouping of Research Activity among SCONE Participants (by Topic/Area)



Comms & Nets Strategy for Scotland: Key Areas

- Fixed, Wireless and Mobile Communications
 - Edinburgh (all), St Andrews (Saleem, Tristan), Glasgow (Joe), Strathclyde (Robert), Aberdeen (Gorry), Agilent Labs
- Next Generation Networks (Future Internet Architecture)
 - St Andrews (Saleem), Glasgow (Colin), Edinburgh (all → wireless)
- Protocols and Security
 - Edinburgh (all), St Andrews (Saleem), Glasgow (Joe), Strathclyde (Robert), Aberdeen (Gorry), Napier (Bill)
- Network Management (& Performance)
 - Glasgow (Joe), St Andrews (Saleem, Tristan), Edinburgh (Mahesh), Agilent Labs, InMon
- Location specific services (& Multimedia)
 - Glasgow (Colin), Aberdeen (Gorry)

