Professor Anthony O'Neill, Newcastle University

http://efutures.ac.uk

eFutures: aims

- Maximise the impact of UK electronics research
- Consolidate the academic community engaged in all aspects of electronic systems and technologies research:
  - electronic materials, device concepts, miniaturization and diversification; design paradigms, systems and networks;
  - broaden landscape;
- Develop and exploit unique strengths
- Vibrant and sustainable community

eFutures: objectives

1. To recognise and define the scope of electronics research and address future challenges
2. To engage university research with industry
3. To be a single voice for the UK electronics research community
4. To co-ordinate UK electronics research
5. To communicate UK electronics research
6. To leverage future research funding
7. Engagement with other communities

eFutures.ac.uk

eFuturesXD

- Stimulate cross-disciplinary research across the ICT portfolio
- Rapid access (>1 month) to £600k funds for:
  - Scoping studies
  - Travel to other institutions
  - Arranging meetings between collaborators
  - Access to facilities
- £60k limit on applications
- Use this as a platform to facilitate longer, larger grants
- Just starting

Guardian Angels

- GA is one of six pilot projects bidding to become a FET Flagship Project with funding of up to €1B over 8 years
- Vision: zero power electronic systems for intelligent health and environmental monitoring.
- ICT base: electronics, photonics, communications, computing, low power, energy harvesting, sensors, networks, security, etc.
- UK meeting in Cambridge Nov11: ARM, CSR, Imagination, ST, Intel, Dow Corning; NMI, EPSRC and TSB.
- Alignment between GA and EPSRC strategic priorities
- Develop GA project in UK: cross disciplinary; build on existing strengths; specific targets; intrinsic value to UK;
- Depends on alignment of UK academic communities, industry and funding bodies.

Guardian Angels
for a smarter life