Meeting 17Oct2007-10-17

Ongoing Tasks

- Reading – paddy will suggest a thesis (or 2) to read, and also get a good paper from the conference, that can be used to get an idea of style etc.
- Spk to Tom re shimmers
- Also speak to lorcan/steve about other sensors we have about the place (MSP's, gumstix)
- Matt will speak to Simon D and together with paddy will bounce ideas off him, to gauge value of them.
- Matt will setup a blog/wiki for paddy to keep a track of whats going on in Matt's PhDLand....
- Speak to RAS / Raz about cross layer management – autonomy

Minutes:

Talked with Aaron and Paddy about a project for 9 months to get a paper ready fort ubicomp2008,

Aaron Suggested I speak to Katy ?Anestro? to get info about what she has been doing

Speak to Tom re shimmers

Also speak to lorcan/steve about other sensors we have about the place (MSP's, gumstix)

Discussed CASE STUDY – Mobile construct – utilising shimmers/MSPs?

Maybe just showing the concept – testing a case study – e.g. a swimmer, altzheimers, cyclist runner...

Idea is to demonstrate planes (data, knowledge, communication) which can be used to manage the devices at a holistic level – i.e. a sensor is not managed by the programmer, the sensor is managed by the management node/sensor so the programmer does not worry about getting information from a particular sensor, just queries the system, for example, is paddy in his office, not, does the node in Paddy's office detect paddy.

Could be implemented using visualisation – i.e. attach to a cyclist

Could use myGRL,

Could use new implementation – e.g mobile phone and MSP /

9 Month target – ubicomp2008 – maybe pervasive ... too soon?

Broad Area : embedded construct – Greenfield – not been done (per se = (see AnSwer)

Classification of sensors – or for sensors – Make a Standard?

#1 – Graph visualisation in graph, using 1 or two views – e.g. processor speed vs battery life, communications abilities and range etc etc. Memory,

ALL types/ models/brands of sensors (new and old?)

Can then be used to find gaps and to identify what we would like to use:

Want to be challenging enough to be interesting, but not too challenging that it can't be done

#2 – compare data formats, has anyone come up with a SensorML – sensor markup language. Can we standardise the way sensors talk to each other – define what means what (in the basic RDF)

Speak to RAS / Raz about cross layer management – autonomy
