

Naomitec: European Project looking for partners.

Autonomous sensors based on energy harvesting technologies integrated into garments

Topic: topic 2.5.2 Micro/nano based sub-systems.

Coordinator: Wearable Computing Laboratory; ETH Zürich (CH); Senior Research Fellow.

- Since '04: Academia Wearable Computing Laboratory ETH Zürich
- '99 to '03: Academia Ph.D. at EPFL (CH) in energy harvesting (photovoltaics)
- '92 to '98: Industry Silicon Graphics Inc. (CH); British Steel (UK).

FP6 Wearlab projects: WearIT@Work and MyHeart

Project Main Objectives:

- **Problem:** Embedded sensors are limited by their energy requirements (batteries)
- **Solution:** Energy harvesting technologies can provide power .. and data
- **IST Project objective: Demonstrate that energy harvesting technologies can be used for numerous purposes as well as sensing and a power source**

Project Deliverables:

- **Question:** How many of you have manually silenced your mobile phones?
- **Problem:** Mobile computers have virtually no awareness of their environment (context)
- **Solution (and Proposal title): Autonomous sensors based on energy harvesting technologies integrated into garments**

Competences sought:

- Specialists in energy harvesting technologies (e.g. thermoelectric)
- Embedded system manufacturers with appropriate applications
- Component specialists (e.g. super capacitors)

