



Biophonet

Biomedical Sensors Foresight Workshop 6 – 7 October, 2005

- Venue** Park Inn Copenhagen Airport, Denmark
(<http://www.copenhagen.parkinn.dk/>)
- Registration** Please make registrations for the workshop by sending an e-mail to me (LL@sensortec.dk Re. FOBIS Workshop) and please make hotel reservation directly to Park Inn Copenhagen Airport (<http://www.copenhagen.parkinn.dk/>)
- Foresight Biomedical Sensors** A Nordic consortium headed by SINTEF (Norway) and with the participants VTT (Finland), FOI (Sweden), S-SENCE (Sweden), STC (Denmark) and MedCoast-Scandinavia is conducting a foresight study *Foresight Biomedical Sensors* (<http://www.nordic-fobis.net/>). The project is supported by the Nordic Innovation Centre. This workshop is the first in a series of four to be held as parts of the project. The workshop is also supported by the Danish Bio-Photonics network (<http://www.biofotonik.dk/>).
- Objective** To establish status, needs and perspectives for biomedical sensors.

Background

The health care systems of the industrialized countries are expected to undergo major changes within the next 10 - 15 years. The number of elderly people requiring treatment will grow considerably, so-called welfare diseases is increasing, and increasing use of new advanced treatments will occur. This will require a more efficient health care system offering better services. A number of new health care technologies will emerge and several will be adopted by the health care systems.

This workshop will address these topics in relation to the possible impact of biomedical sensors.

Agenda

The workshop will start Thursday, 6th October at noon and end Friday afternoon 7th October.

Day 1:

Lunch

1. Introduction
2. The Hospital Laboratory of the future
Jens F. Rehfeld, Copenhagen University Hospital
3. Security and Defense
Åke Sellström, The Swedish Research Defence Agency
4. Health technology assessment: an introduction with emphasis on the clinical and economic evaluation of diagnostic tests
Hindrik Vondeling, Centre for Applied Health Services Research and Technology Assessment, University of Southern Denmark
5. Biosensor Technology – an overview.
Lars H. Pedersen, Bioneer A/S

Dinner

Introduction to group tasks

Group workshops on different aspects of health care, safety and drug development.

The task of the groups is to evaluate common practice and foresee the impact of biomedical sensing over the next 10 - 15 years on *home care, doctors office* and *hospital* diagnostics and surveillance systems.

- Group 1: Home care
- Group 2: Doctors office
- Group 3: Hospitals
- Group 4: Defense and security
- Group 5: Drug discovery and development

Day 2:

Morning, group discussions and conclusions

Afternoon, group presentations and discussions in plenum

Summary and overall conclusions.

Tasks of the groups

Home care

- What are the possibilities for home care diagnostics at present and in the years to come? (self testing, remote testing and control, the relation patient-doctor-hospital)

Doctors office

- Current diagnostic techniques at the doctor's office. What will a doctor's office offer in 15 years? (doctor's office/offices, central vs decentralized diagnosis and sensing, doctor's office in a high tech health care system etc)

Hospitals

- Central diagnostic units versus decentralized (near patient testing and central labs, hospitals as surveillance centers, hospital vs. doctors office)

Defense and security

- Central diagnostic units versus decentralized (near patient testing and central labs, hospitals as surveillance centers, hospital vs. doctors office)

Pharmaceutical Industry

- Requirements and possibilities in relation to 'time-to-market' and development costs.

Participants

The participants will be a cross-section of the health care and technology sector representing the following areas:

- Patients, private users, home care
- Doctors office (practicing MDs)
- Hospitals
- Security and bio-defense
- Drug discovery and development
- Manufacturers of diagnostic equipment
- Vendors of communication services
- Knowledge centers (Universities, research institutions and consultants)