



HEALTHY AIMS DISSEMINATION DAY REGISTRATION FORM

Cost per person 80 Euros

I will be attending the Healthy Aims Dissemination day on the 1st December 2005.

Name Company Email/fax:

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Please return to Denise MacInnes at ETB, Codicote Innovation Centre, St. Albans Road, Codicote, Herts. SG4 8UU. Email: denise.macinnes@etb.co.uk Fax 00 44 (0)1438 822811

Future work within the Healthy Aims Project

Suggested topic for discussion

One to One discussions

Partner that you would like a meeting with

List of Healthy Aims partners attending on the day are:

European Technology for Business (ETB) Ltd Project co-ordinator

Assuta Hospital

Campus Micro Technologies (CMT) GmbH

CEA/Liten

Cochlear Technology Centre (CTC)

Ecole Polytechnique Federale de Lausanne (EPFL)

Dinamic/ Universitat Rovira i Virgili

Finetech Medical Ltd

HSG-IMIT

IIP Technologies GmbH

INEX

Institute of Electron Technology (ITE)

Interuniversitaire Micro-Elektronica Centrum (IMEC) vzw

Mediplus Ltd

microTEC GmbH

NEXUS

North Bristol NHS Trust

Queen Mary and Westfield College University of London (QMUL)

Saft SA

Salisbury District Hospital

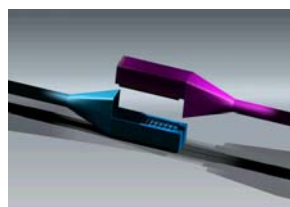
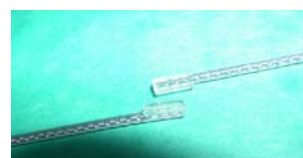
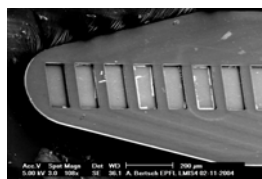
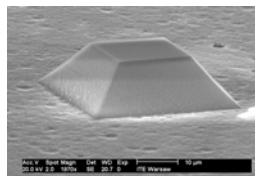
TWI

University of Freiburg (IMTEK)

University of Graz

University of Salford

Zarlink Semiconductor Ltd



Information Society
IST-2002-1-001837



'HEALTHY AIMS' DISSEMINATION DAY

1st DECEMBER 2005, IMTEK, FREIBURG, GERMANY

A major European project to develop
Intelligent Medical Implants and Ambulatory Measurement equipment

In this project key microsystem technologies and communication methods are being developed that bring intelligence directly to the human, in the form of medical implants and ambulatory measurement systems. Information from these devices will be transmitted out into the wider environment. Medical applications have been chosen as there will be a direct positive impact into the health of EU citizens. In addition this multi-disciplined project will integrate and extend the existing State of the Art in microsystems, biomaterials, wireless communications and power sources.

This EU funded project was launched in December 2003. The project evolved from the 'Nexus Medical Devices User Supplier Club', and led to a 26 partner consortium from across the EU. The skills and expertise within the consortium is extensive, ranging from clinical teams who initiated the requirements, medical end user manufacturers, through to researchers in micro and nano technology, biomaterials, RF communications and power sources.

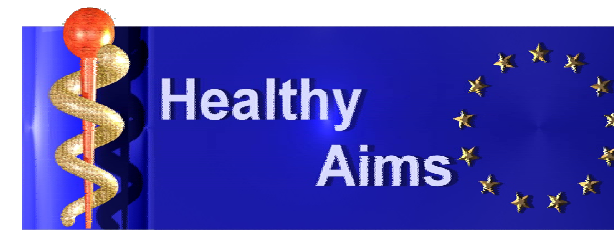
The project is now half way through the 4 years, and there are a number of interesting results that the partners wish to disseminate to a wider audience, to advise people what work is underway and hopefully also stimulate future R&D activity in this area.

The day will start with an introduction to the project by Diana Hodgins, the project co-ordinator. A range of technologies and medical products will be presented by the project partners.

The project team will then explain how micro and nano technologies, biomaterials, RF communications and implantable power sources are integrated into a range of new medical products, demonstrating the need for true, multi-disciplined teams. Led by key clinical teams across the EU, these new product innovations clearly demonstrate how technology development can be focused on applications to help the welfare of citizens across the EU and worldwide.

The day will end with Demonstrations of the prototype systems already available, and discussions on how the project is moving forward.

To find out more about this exciting project, visit the website, www.healthyaims.org



HEALTHY AIMS DISSEMINATION DAY AGENDA
1st December 2005, IMTEK, Freiburg, Germany

- 08.30 Registration and poster presentations
- 09.00 Welcome from Prof Korvink IMTEK
- 09.15 Project overview – Diana Hodgins Project Co-ordinator
- 09.30 Wireless communications from in and on the body
As applied to a range of products
- 09.45 Power sources for in the body
Conventional secondary cell – near term applications
Biofuel cell – Long term vision
- 10.15 Cochlear implant – the clinical perspective and current status
- 10.35 Retina implant – the clinical perspective and current status
- 10.55 Break
- 11.10 Functional Electrical Stimulation implant –
Clinical application for stroke patients
- 11.30 Glaucoma sensor – the clinical need and current status
- 11.50 Sphincter sensor – clinical applications and current status
- 12.10 Inertial sensors for human body motion applications
- 12.30 Intra-cranial pressure sensor – clinical applications and current status
- 13.00 Questions
- 13.10 Lunch

14.00 Demonstrations:

- Zarlink BAN
- Secondary power source and Biofuel cell
- Prototype intra-cranial pressure sensor
- Prototype wireless accelerometer system, applied on the body
- Prototype retina implant
- Prototype FES system
- Prototype glaucoma sensor system
- Prototype sphincter sensor system
- Cochlear implant
- Biomaterials work
- Micro-assembly/micro-connector
- Micro-electrodes – relating to the products on show

14.40 Ethics and approvals for the medical devices under development

15.00 The difficulties relating to biomaterials for in-body applications

15.20 Futurework within the Healthy Aims project, and the Roadmap (ETB/Audience)

16.00 Coffee

16.20 Networking and one to one discussions with project partners

17.00 Close

