

**January 2005**

## **Content**

*This first Newsletter is the annual report 2004 from DaNet, and a presentation of the updated homepage for the network*

## **Annual report - DaNet 2004**

The first arrangement in 2004 was the annual meeting in February 26 – 27 at Fuglsøcentret in co-operation with DINA (Danish Informatics Network in the Agricultural Sciences) and DSIJ (Dansk Selskab for Informatik i Jordbruget). The annual meeting is a unique opportunity to meet DaNet, DINA and DSJI members informally along with the scientific program. The program was a mixture of plenary sessions and three parallel sessions arranged by DaNet, DINA and DSJI respectively.

Two meetings were held in the DaNet committee. The first at Research Centre Bygholm and the second at The Technical University of Denmark. The meetings at different institutions make it possible to meet the people working on projects and see some of the results obtained.

### **Workshop**

Agricultural robotics is a theme of great interest to many people. The workshop AGROBOTICS in November had 30 participants, scientists as well as students, from Denmark and abroad. The workshop was arranged by DIAS Bygholm. The topics were software for small agrorobots i.e. architecture for route planning and fleet management, task control, managing etc.

### **PhD-courses**

DaNet arranges 7 courses for PhD-students and others in co-operation with DINA. The courses are taking place in 2004 – 2005 and they are financed by the research programme Sustainable Technology in Agriculture.

The 2004-courses all attracted several participants:

- 'Computer Vision' organised by Professor Erik Granum, University of Aalborg, 12 participants
- 'Control and simulation of animal heat production, odour and ammonia emission for animal houses' organised by Senior Scientist Søren Pedersen, DIAS Bygholm, 14 participants
- 'New and emerging technologies for detection of micro organisms' organised by Senior Scientist Annemarie Fejer Justesen, DIAS Flakkebjerg, 19 participants

### **Brochure on DaNet**

The network has now existed for 2 years. At the October meeting the committee therefore decided to put more effort into exposure of the network and the projects. The decision was to improve the website and make a brochure about DaNet.

The brochure was made in October. It contains an introduction by Mr. Helge Sander, Minister of Science and Svend Christensen, research director and chairman of DaNet. Then the research projects are presented along with interviews of key persons from industries and organisations about the value of the DaNet and being a partner in the projects.

A brochure can be requested from DIAS Bygholm by sending an email to [britt-ea.jensen@agrsci.dk](mailto:britt-ea.jensen@agrsci.dk).

### **A new Danet-project**

AgroBots is a new project dealing with the co-operation man and robots in future crop production systems. The project is granted by the Ministry of Science via 'The IT-corridor'. AgroBots focuses on two objectives:

- IT systems for planning the co-operation between machinery and in the future autonomous robots
- Robots and tools for cultivation, control and harvesting.

More details about the project website [www.agrobots.dk](http://www.agrobots.dk).

## **DaNet Homepage [[www.danet.dk](http://www.danet.dk)]**

In December 2004 DaNet at last was able to buy the web address [www.danet.dk](http://www.danet.dk) The homepage has been updated with new design and new features, such as a monthly newsletter, and will be updated frequently during the next months to reflect new projects and changes in current projects.

## **Topics of coming newsletters**

Technological foresight of ICI in Agriculture  
Odour measurement and treatment technologies

