



Sensor Consortium: Consortium for Security and Medical Systems

Department of Electrical and Computer Engineering

College of Engineering and Applied Sciences, SUNY Stony Brook

Newsletter, June 2006

This is the last concluding issue of the Newsletters of the Consortium activities that provides account of our second Project Competition.

Preparations to the Competition

On April 29, 2006, the E-Teams met with Prof. Wolf for the Pre-Competition meeting. This meeting was allocated for rehearsal presentations of the projects for the Competition. At the meeting the final business plans should be presented including such rubrics as market values: price estimate, market size, competitors: pros and cons of their products, proposed financing, required personnel, etc. Prior to the business presentation the groups intended to familiarize the judges with the technical aspects of the projects such as key principles of operation, the scope of technical work involved, power source for the future device and safety issues.

Since the Sensor Consortium E-Team Project Business Plans were due for submission to the judges by May 3, 2006, by the day of the Pre-Competition meeting the E-Teams were well prepared to present their business narration. However, the teams had not had their prototype ready for demonstration and their technical presentations were not sufficiently professional and fluent. To correct these deficiencies we decided on the additional meeting to work out technical presentations. This meeting took place on May 21, 2006, three days prior to the Competition day. At the meetings, all four prototypes were ready for demonstration, however, several snags still had to be further eliminated (for example, the prototype of the Implant Monitor Sensor Network required the local area network to be operational and available for students in the Wang Center where the Competition was scheduled. It happened to be operational and available, but to make sure, the E-Team prepared a short movie clip to run continuously during the technical part of the Competition instead of actual prototype).

Additional funding to increase the cash award for the winning team

In the Sensor Consortium budget \$5K is allocated for the award to the winning E-Team. However, this year this amount was doubled by the matching \$5K from the Office of the VP for Economic Development at Stony Brook University. Thus the cash award to the winning team was thus increased to \$10K.

Competition day

The events of the Competition day began to unfold at 1 PM. At this time the E-Teams arrived with their prototypes to set them up for the technical presentation. The judges and general public arrived at 1:30 PM for technical review. A photo gallery from the technical presentation is shown below.



A close up of the Health Tracker prototype

Thanks to the Sensor Consortium dissemination efforts, this year the Competition was attended by several County officials and representatives of the Business Week, Long Island weekly.

Business Plan presentations began promptly at 2 PM. This year a total of nine business plans were submitted, four from the Sensor Consortium for DARE Engineering Competition, and five from the general Stony Brook community for the DARE Competition.



AngelEyes E-Team with their prototype during technical presentation

Each Sensor Consortium E-Team was given 20 min for their project, 10 min for business presentation and 10 min for questions. The DARE participants had the same share of time for their presentations. The sequence of nine presentations took about three hours, after each the judges were sequestered for their discussions and decision about the first prize winners for both competitions. The Sensor Consortium winning E-Team was unanimously selected by the judges

Sensor Consortium, Rm 214 Old Chemistry Building, State University of New York at Stony Brook,
Stony Brook NY 11794-3717

Tel:(631) 632-1647, Email: SensorConsortium@ece.sunysb.edu,
URL: <http://www.ece.sunysb.edu/~sensorconsortium/>

to be the Wireless Sensor Networks for Health Monitoring (Health Tracker) project (motto “We’re Here to Help”, website www.healthtracker.biz).



Judges ask tough questions about technical merits of the AngelEys project

Team Members of the project are: Maria Baduk (SUNY Farmingdale), Joseph Charchalis (Hofstra University), Aseem Grover (SUNY Stony Brook), Guofeng Hou (SUNY Stony Brook), Manish Muttreja (SUNY Stony Brook), Thomas J. Nicolich (Suffolk County Community College).

Faculty Advisors for the team are: Prof. Wendy Tang and Dr. Michael Gouzman, both from SUNY Stony Brook Department of Electrical and Computer Engineering.



The winning team with Profs. Gerrit Wolf (who taught the business course to the members of E-Teams), and Wendy Tang (faculty advisor).

The day was concluded with the Competition dinner at the Wang Center at Stony Brook with all participants (graduate and undergraduate students members of E-teams, DARE competitors advisors, Competition judges and administration of the Sensor Consortium and DARE) invited.

Sensor Consortium, Rm 214 Old Chemistry Building, State University of New York at Stony Brook,
Stony Brook NY 11794-3717

Tel:(631) 632-1647, Email: SensorConsortium@ece.sunysb.edu,

URL: <http://www.ece.sunysb.edu/~sensorconsortium/>