



Sensor Consortium: Consortium for Security and Medical Systems
Department of Electrical and Computer Engineering
College of Engineering and Applied Sciences, SUNY Stony Brook

Newsletter, March 2006

Three months have passed since the last issue of the Newsletters of the second year of the Consortium activities. In this latest newsletter we are reporting the news that occurred during this period.

Educational Component

Monthly E-Teams meetings with Prof Wolf.

In the spring semester the main effort of E-Teams is directed to the creation of the business plan for the project's product. During the meetings, each group delivers several parts of the business plan, including 1) prospective customers, 2) competitors, 3) cost and intended pricing, financing, 4) E-Team (future company personnel) roles in the project, 5) marketing tools, 6) patent search. After each presentation Prof. Wolf comments on each component of the business plan and the pros and cons of posters and presentation.

In addition, the following issues should be addressed:

- Statement of the problem addressed by the project
- The scope of technical work involved
- Market values: price estimate, market size
- Competitors: pros and cons of their products
- Power source for the future device
- Safety issues

The monthly meetings are also attended by six business advisors, MBA students selected from Prof. Wolfe graduate class. They are:

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The MBA students have learned details of each project and are working as a group advising to all E-Teams rather than being individually assigned to the projects.

The E-Team meetings with their faculty advisors are still being held every Saturday.

Competition news.

The Sensor Consortium Project Competition dates have been finalized. The Competition will be held in Rm. 301, Wang Center at Stony Brook University, Wednesday May 24, 2006 starting at 2:00 PM. As discussed in the early issues of these Newsletters, the presentation will consist of two parts, technical and business. The technical presentation should contain present a working prototype or essential part of the prototype. During this session all technical information such as specifics of design, powering, dimensions, etc., should be explained. The following business presentation may contain only one poster on technical details.

The pre-competition meeting will be held on Saturday, April 29, at 10:30 AM in Room 401, Wang Center at Stony Brook University. The purpose of the meeting is to work out the details of the Business plan and eliminate any glitches in the presentations.

Research and Technology Transfer

Joining forces with the DARE

As last year, the Sensor Consortium Project Competition will run jointly with the Stony Brook DARE Competition (<http://www.sunysb.edu/research/dare.html>) sponsored by both Technology Transfer/Licensing and Economic Development Offices, both under SBU Vice President for Research. The DARE Competition is designed to encourage students at all levels in the Stony Brook University community to act on their talent, ideas and energy to create successful start-up companies of tomorrow. This year the DARE Competition makes one \$5,000 award to the winning team of student entrepreneurs whose business plan for a new technology-based venture shows significant promise for viability and growth.

The Sensor Consortium and Stony Brook DARE competitions share the idea of promoting the entrepreneurship in the student community. This was the reason that the staff of the two events decided to join forces, combine the two competitions and share the pool of judges.

Outreach and Dissemination:

Publication

The staff of the sensor Consortium summarized the experience of these two years in a paper submitted the IEEE Journal of Education entitled “**Introducing Entrepreneurship in Engineering Education**”.

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Abstract

The recent changes in the world and engineering present both challenges and opportunities to the engineering education. Engineering education is changing to meet these challenges. More and more engineering programs strive to include entrepreneurship and innovation, traditionally

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American values, in the engineering curriculum. In this paper, we present our view on teaching entrepreneurship to future engineers and describe our experience in introducing entrepreneurship in engineering education through an NSF-sponsored pilot program based on collaboration between Stony Brook University and three other major higher education institutions on Long Island.