

October 1999

### **ECE Alumnus ('77) makes Forbes Wealthiest 400 List:**

Dr. Rajendra Singh came to the University of Maine after obtaining an undergraduate degree from the Indian Institute of Technology in Kanpur. He obtained a Masters Degree in the ECE Department under Prof. Steve Mittleman. Current faculty members, John Vetelino and Fred Irons remember him well. After leaving UM, he obtained a PhD from Southern Methodist University and went on to found Telcom Ventures, Teligent Corp. and other companies. Today, he is ranked 223rd on Forbes list of wealthiest Americans with an estimated worth of over **\$1.1 billion**. According to "India Abroad", he is the wealthiest person of Indian origin in the United States today. We're very proud of his accomplishments. **Just shows what a UMaine ECE degree can lead to ...** (Thanks to Murthy Ayyagari for updating us on Rajendra.)

### **ECE student employment**

I just noticed **our Department employs 29 undergraduate students** out of a total undergraduate enrollment of 200. We try to involve as many undergrads as we can. They work on research and Department service, including grading and lab assistance. Please ask if you're interested!

### **Companies heavily recruiting ECE's at UMaine**

It seems to me that recruiting has been particularly intense this year. We are receiving many calls from companies that cannot hire enough ECE's. Stuart Bohm, 1996 UMaine graduate and a recruiter for Teradyne, says, "**Last year almost one third of our college recruits were from The University of Maine out of the 17 schools we visit.**"

Some of the companies include:

- Quadric Systems, Inc.
- Lincoln Laboratory/Mass. Inst. of Technology
- Toray Plastics Inc.
- Teradyne
- Fairchild Semiconductor
- General Electric Co.
- Fidelity Investments (w/ strong computer background)
- U.S. Naval Explosive Ordinance Disposal Technology Div.
- International Paper Co.
- U.S. Portsmouth Naval Shipyard

- National Semiconductor
- IBM Microelectronics Division
- Bath Iron Works
- Sanders/Lockheed Martin
- Mead Paper Corp.
- Champion International
- U.S. Portsmouth Naval
- UNUM/ Provident Life Insurance Company
- Dirigo Financial Group
- Excel Communications
- MBNA New England
- Cintas Corporation

### **Women's page on ECE site**

A workshop on Women in Engineering was recently held by the Women's Resource Center at the University of Maine. Out of that workshop came a very [important statement](#) by Mary Madden about the experiences of many women students in the College of Engineering. I found some of the remarks disturbing, but I am proud of our own faculty in dealing with these issues. The report has prompted us to recognize the issues, create a listserv to air those issues, and recognize the additional support needed by women students. As a beginning, we have initiated a [support web page](#) for women students in ECE.

### **Microelectronics Research Plan**

We have sketched out our [research and curriculum plans](#) in the microelectronics area. We invite your comments!

### **Publications, proposals etc.**

D. Kotecki and W.H. Ma, **U.S. Patent 5,955,756**, "Trench Separator for Self-Defining Discontinuous Film," Sept. 21

"Intelligent Barcode Tooling/Tracking, Phase II", (DIC) proposed to GE Power Systems, Bruce Segee, October 4.

Fred Irons attended and participated in a Standards Committee Meeting on Analog to Digital Converter Measurement Techniques, Burlington, MA, Sept. 29 - Oct. 1.

John Vetelino attended the 1999 Ultrasonics Symposium and presented a paper, "Surface Acoustic Wave Mercury Sensor", Lake Tahoe, Nevada, Oct. 16-21.

## Updates not on your Spring schedule

- "**Microelectronics**", ECE 464, will be taught by Dr. David Kotecki on MWF from 9 to 9:50 .
- "**Power Systems I**" will be taught by Dr. Cristien Domnisoru, a Fulbright Scholar visiting the ECE Department this year. Dr. Domnisoru received his PhD in 1997 from the Technical University of Iasi, Romania. His doctoral work was entitled, "Contributions to the numeric study of dynamic regimes of synchronous machines for optimal design."
- "**Linear Systems**", ECE512, will be taught by Dr. Duane Hanselman.