Howle Inducted into Thomas Green Clemson Academy

Howle has received numerous awards for his contribution to e-business such as being named one of the “25 Unsung Heroes on the Internet” by Inter@ctive Week in 1998, selection as the 1997 Entrepreneur of the Year in Emerging Technologies for the Southeastern US, selection as Georgia’s Businessman of the Year by the Georgia Security Dealer’s Association in 1996, and was the 2002 Inductee into the Georgia Technology Hall of Fame.

Howle is also a very active participant in community activities serving or having served on several non-profit boards including the Atlanta Symphony, Children’s Healthcare of Atlanta Foundation, the Atlanta Alzheimer’s Association, the Harvard Business School Alumni Association, the Clemson University Foundation (where he currently serves as the Chairman of the Finance Committee), and the Clemson University Research Foundation. Howle is a member of the Center of the Center Board of Counsellors, a leadership advisory group that promotes understanding of and support for the Center in advancing peace and health around the world, and a member of the Atlanta Downtown Rotary Club.

Howle and his wife Marie (who also attended Clemson) have two daughters, Meredith and Dana, and one granddaughter Reese Russell (age 5 months). In the mid-90s, Howle and his family formed the C. Tycho and Marie Howle Charitable Foundation, which has made more than 300 grants to support education, healthcare, the homeless, and the arts. These grants were made principally to organizations based in the Southeast.

In honoring the inductees and recognizing their work, Elan Gualter, dean of Clemson’s College of Engineering and Science, said, “We could not ask for a finer representation of Clemson engineering and science from these honorees. I believe Thomas Green Clemnson and his wife Anne Milla would be so proud and joyful of what their vision has become and what is represented in these honorees who have accomplished so much for science and engineering.”

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Hibbing Honored with Endowed Chair Medallion

On April 14 Todd Hibbing, ECE’s Michelle Endowed Chair in Vehicle Electronic Systems Integration, received an Endowed Chair Medallion at a luncheon at the Trident Club in Greenville. In addition to the medallion Hibbing received, Clemson University President James F. Barker presented a medallion to a representative of Michelin, the company that made the endowment possible. A medallion will also be displayed in the Campbell Graduate Engineering Center at the Clemson University International Center for Automotive Research (CU-ICAR) in Greenville. One-to-one matching of funds to support the Chair was provided by the South Carolina Legislature’s Research Centers of Economic Excellence Endowed Chair Initiative. Barker said Clemson successfully searched for the right person to fill this chair and lead Clemson’s new and unique academic programs in automotive engineering.

Hibbing, who joined ECE in 2006, works in systems integration, which is the management of increasingly complex interactions between electrical, digital and mechanical technologies in automobiles, aircraft, manufacturing equipment, buildings, computer systems and many other platforms.

“I want to thank Michelin and the South Carolina Endowed Chair Program for creating this opportunity,” said Hibbing. “I am looking forward to working with the faculty, staff and students at Clemson to make CU-ICAR the world’s premier center for automotive and transportation education and research.”

Key to the success of CU-ICAR is that it is truly interdisciplinary, bringing together professors, students, and research faculty from a variety of fields.

“I am excited that Todd Hibbing has accepted this opportunity,” said Dr. Michael Bridges, chairman of the Michelin Endowed Chair Search Committee. “He brings a great deal of knowledge and experience to the CU-ICAR team. His research will not only benefit the Department of Electrical and Computer Engineering, but will be a vital asset to the department.”

Prior to coming to Clemson, Hibbing was a professor of electrical and computer engineering at the University of Missouri-Rolla. Hibbing earned his undergraduate degree from the Massachusetts Institute of Technology and a graduate degree from Purdue University. He completed his doctorate at North Carolina State University in 1986. His research focuses on automotive and aerospace electromagnetic compatibility, computational electromagnetics and electronic device detection and identification based on electromagnetic emissions.

A pioneer in automotive research, Michelin was one of the first partners in CU-ICAR, funding the endowed chair and associated laboratory in February 2004. Michelin will use the center for some of its automotive research, including electronics systems for tires.

“Professor Hibbing’s research has attracted the attention of automotive partners the world over,” said Jim Melicz, chairman and president of Michelin North America. "Our strong collaboration with CU-ICAR and its partners will help ensure the long term success of CU-ICAR and its partners.”
Gentlemen to alumnae and friends of ECE. We recently said farewell to an outstanding graduating class as they move forward to take on their first job or to enter graduate school. This is certainly an exciting time in their lives, as well as for their family and friends. Clemson wishes them well.

Some of our students, and students, have continued their excellent record of achievement, as described in the articles of this newsletter.

This has been my 10th year as Department Chair, and I am sure you’ll be interested in the role of a regular faculty member. I have enjoyed serving the students, my colleagues, and the Department. Whether I’ve been in the classroom, the lab, or the advising office, I’ve always enjoyed working with our students and teaching them to become the leaders of tomorrow. I believe in the Department and its mission, and I look forward to continuing to support it in any way I can.

Dr. M. D. Doolan
Department Chair

Congratulations to Robert Clarke, ECE student and winner of a Barry M. Goldwater Scholarship for Excellence in Sciences, Mathematics and Engineering. This prestigious scholarship covers the costs of tuition, fees, books, and room and board to a maximum of $7,000 per year. The Goldwater Scholarship Program was designed to foster and encourage outstanding students to pursue careers in the fields of mathematics, the physical sciences, and engineering. Scholarships are awarded to their home institutions and are not tied to any specific major or area of study. This year, Robert Clarke, a junior from the Department of Electrical and Computer Engineering, received the Goldwater Scholarship for the fourth year in a row.

Robert Clarke is a 3.96 GPA student with a minor in Business Administration. He is a member of the ECE Honors Society and has been involved in various research projects, including one with Dr. John Komo, Associate Professor of Mechanical Engineering, on scheduling protocols for mobile ad hoc networks. For his senior project, he plans to work with NASA on developing a new method for tracking the movement of hazardous materials.

Congratulations to the 2007 ECE Student Award winners:

Rebekah Moore, a senior Computer Engineering student, has been awarded a prestigious NSF Fellowship for her graduate studies. The NSF Graduate Research Fellowship Program is designed to support exceptional graduate students in science, engineering, and mathematics as they pursue research-based doctoral degrees at accredited institutions of higher education in the United States. The award provides a stipend of $30,000 per year for three years and covers the full cost of tuition and fees.

Rebekah Moore is a Computer Engineering major and she plans to pursue a PhD in Computer Science. She has conducted research on scheduling protocols for mobile ad hoc networks, which has provided assistance writing the essays and readers to offer suggestions.

Dr. John Komo, Associate Professor of Mechanical Engineering, won the inaugural NSF CAREER Award. The CAREER Award is a highly competitive award that recognizes young scientists and engineers who have the potential to make significant contributions to research, teaching, and industrial applications in science, mathematics, and engineering. The award is designed to foster career development of young faculty members and to encourage the recruitment of high-quality graduate students.

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